

STIC Database Tracking Number: 229072

To: MICHAEL BUTLER
Location: KNX-3B19
Art Unit: 3653
Monday, July 16, 2007

Case Serial Number: 10/796794

From: CHRISTIAN MINER
Location: EIC3600
KNX-4B68 / KNX-4B71
Phone: (571)272-3010

christian.miner@uspto.gov

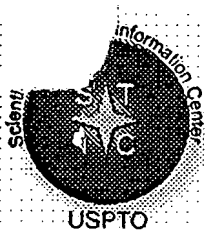
Search Notes

Dear Examiner BUTLER:

Please review the following results.

If you have an questions or need a refocused please feel to contact me.

Christian Miner, MLIS
ASRC Management Services
US Patent & Trademark Office
Scientific & Technical Information Center
Electronic Information Center 3600



81

STIC EIC 3600

Search Request Form

229072

Today's Date:

6/26

Class/Subclass

What date would you like to use to limit the search?

Priority Date:

3/10/04

Other:

Name Mine Blatter

AU

3653

Examiner #

74655

Room #

3B19

Phone

2-6937

Serial #

Format for Search Results (Circle One):

PAPER

DISK

EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Invention: An ATM machine with a cash dispenser and a deposit receiver with a printer with ink nozzles and a rubber squeegee wiper that transports money or other deposited item over a platen engaging the printhead whereby ink is imprinted on the deposited item for identification labeling. In preferred embodiments, a vessel may transport the deposited item. In preferred embodiments, sensors may be used that verify position or jam of the items being transported.

STIC Searcher Christian MinerPhone 2-3010Date picked up 7/11/07Date Completed 7/16/07

10796794

Inventors:

HANEY, SEAN NORTH CANTON , OH
ENRIGHT, JEFFERY M. AKRON , OH
EASTMAN, JEFFREY NORTH CANTON , OH
THERIAULT, FRANKLIN M. CANTON , OH
DUNLAP, R. MATTHEW NORTH CANTON , OH
BESKITT, WILLIAM D. CANTON , OH
FITZPATRICK, COLIN SMITHVILLE , OH
LASKOWSKI, EDWARD L. SEVEN HILLS , OH
RYAN, MIKE CANTON , OH
LAVELLE, BILL MASSILLON , OH
SCHULTZ, DAVID MASSILLON, OH
FORCE, MATTHEW UNIONTOWN , OH

Assignee: Diebold

Oldest priority: 3/10/2003

Filed: 3/10/2004

Invention: An ATM machine with a cash dispenser and a deposit receiver with a printer with ink nozzles and a rubber squeegee wiper that transports money or other deposited item over a platen engaging the printhead whereby ink is imprinted on the deposited item for identification labeling. In preferred embodiments, a vessel may transport the deposited item. In preferred embodiments, sensors may be used that verify position or jam of the items being transported.

ABSTRACT

An automated banking machine includes a mechanism for accepting deposited items.

Deposited items may be provided to the machine in envelopes which are first passed to a user

5 from an envelope storage area (132) in the machine through a transport (124) and which are

presented to the user through an opening (244). An envelope storage and dispensing device

(134) is operative to assure that only a single envelope is delivered to the user. A user may

thereafter include deposit items in the dispensed envelope. The deposited items are passed

through the opening (244) and are deposited in a deposit-holding container (128). The deposited

10 items may be marked with indicia corresponding to the transaction or properties of the deposited

item where the envelope originally dispensed to the user for holding the deposited item.

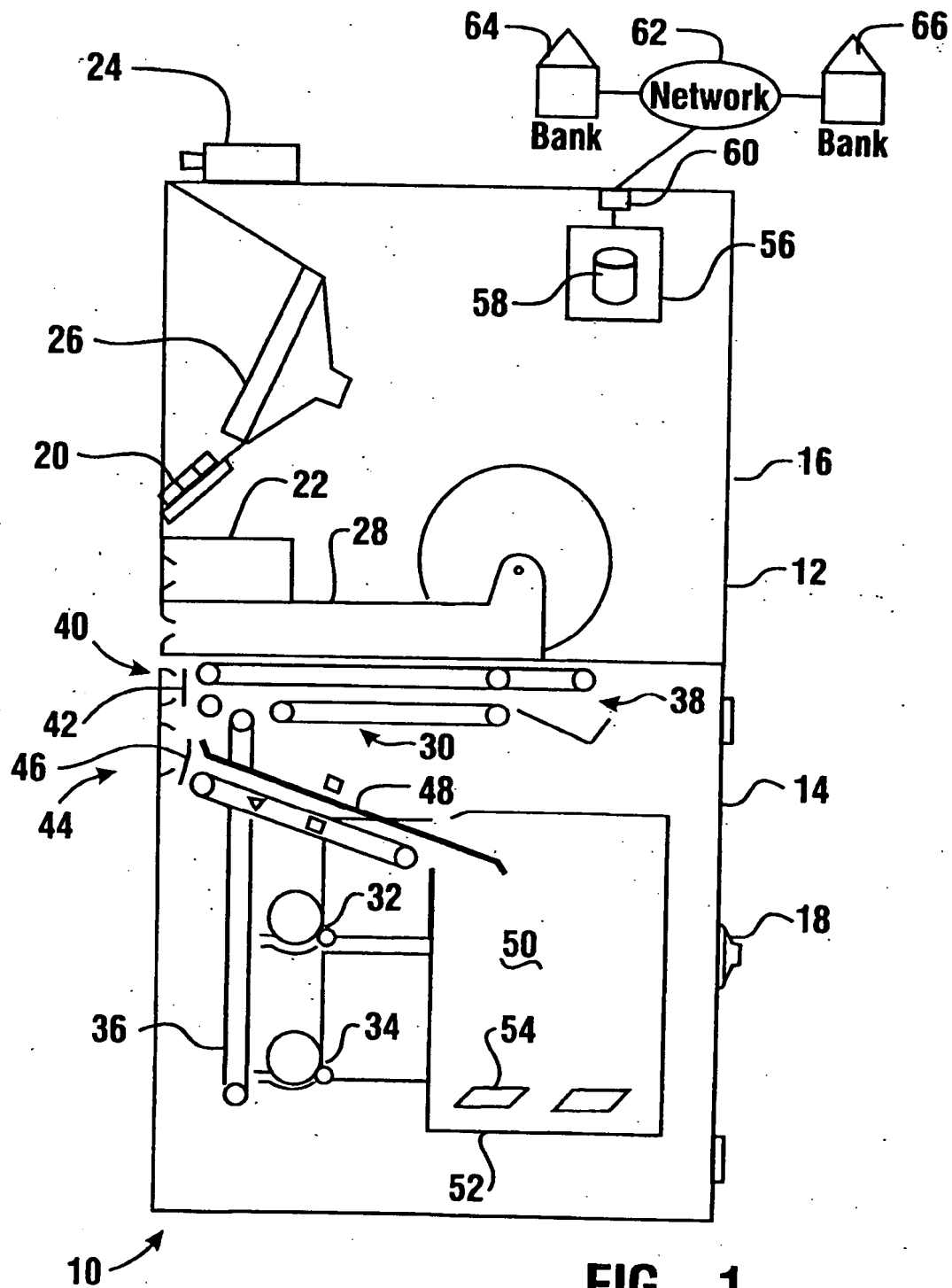


FIG. 1



STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader
KNX 4A58, 571-271-3496

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 KNX 4A58



[File 350] **Derwent WPIX** 1963-2007/UD=200744

(c) 2007 The Thomson Corporation. All rights reserved.

**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

[File 347] **JAPIO** Dec 1976-2007/Dec(Updated 070702)

(c) 2007 JPO & JAPIO. All rights reserved.

```
; d s
Set      Items  Description
S1       54344   S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S2       391153   S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR
COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ?
OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION
S3       2351231   S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR
TAKE) () OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW??
S4       861750   S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ?
S5       4031660   S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT
OR DISPENS???
S6       1789176   S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT???
S7       192815   S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR
IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION OR NUMBER OR
ACCOUNT OR ADDRESS OR TOTAL OR AMOUNT OR RESPONSE OR PROOF()DEPOSIT)
S8       15315    S (SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? OR
DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM?
? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?))
(5N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (5N)
(LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE?
? OR SITE? ?)
S9       1614654   S JAM OR JAMMED OR BLOCK OR BLOCKAGE OR STUCK OR STOPPAGE OR WEDGE? ? OR
OBSTRUCTION
S10      48730    S (INKJET OR INK()JET OR INK) () PRINTER OR INK()NOZZLE? ?
S11      406383   S WIPER? ? OR VESSEL? ?
S12      6        S PROOF()DEPOSIT
S13      13349    S S2 (3N) S3
S14      944458   S (S4 OR S6) (3N) (S5 OR S4)
S15      339     S S1 AND S13 AND S14
S16      30      S S15 AND S7
S17      9       S S16 AND S9
```

17/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0014974106 *Drawing available*

WPI Acc no: 2005-321939/200533

Related WPI Acc No: 2005-331666

XRPX Acc No: N2005-263343

Kiosk operating method for performing banking transaction e.g. deposit, involves determining whether stored-value account is related to card for user, and processing user instructions to perform banking transaction using account

Patent Assignee: NEXXO FINANCIAL CORP (NEXX-N)

Inventor: ALVAREZ D; ALVAREZ D R; SHAPIRO M; SHAPIRO M A

Patent Family (3 patents, 103 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| US 20050082364 | A1 | 20050421 | US 2003512290 | P | 20031017 | 200533 | B |
| | | | US 2004966879 | A | 20041015 | | |
| WO 2005038623 | A2 | 20050428 | WO 2004US34230 | A | 20041015 | 200533 | E |
| WO 2005038627 | A2 | 20050428 | WO 2004US34269 | A | 20041015 | 200533 | E |

Priority Applications (no., kind, date): US 2003512290 P 20031017; US 2004966879 A 20041015

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|-------------------------------------|---|-----|-----|------|------------------------|---------------|
| US 20050082364 | A1 | EN | 12 | 5 | Related to Provisional | US 2003512290 |
| WO 2005038623 | A2 | EN | | | | |
| National Designated States,Original | AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW | | | | | |
| Regional Designated States,Original | AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW | | | | | |
| WO 2005038627 | A2 | EN | | | | |
| National Designated States,Original | AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW | | | | | |
| Regional Designated States,Original | AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR | | | | | |

Alerting Abstract US A1

NOVELTY - The method involves assigning a stored-value account to a stored-value card in a kiosk (100). The card is dispensed from the kiosk. A determination of whether the stored-value account is related to the card for a user of the kiosk is made. User instructions for a banking transaction are received using the stored-value account. The instructions are processed to perform the banking transaction using the stored-value account.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- a. a kiosk for performing financial services
- b. a software product for operating a kiosk to perform financial services.

USE - Used for operating a kiosk to perform a banking transaction e.g. deposit, **withdrawal**, balance inquiry, **printing checks**, **check** cashing and **money** transfer.

ADVANTAGE - The method allows the user to conduct banking transactions using stored-value cards without being subject to credit checks, extensive background checks, or large deposit requirements. The method reduces the costs and risk of providing banking transactions, thus allowing a bank to provide a broad array of services for banking transactions to the unbanked population.

DESCRIPTION OF DRAWINGS - The drawing shows a **block** diagram of a kiosk.

100 Kiosk

116 Printer

118 Keypad

120 Card reader

132 Check reader

Title Terms /Index Terms/Additional Words: KIOSK; OPERATE; METHOD; PERFORMANCE; BANK; TRANSACTION; DEPOSIT; DETERMINE; STORAGE; VALUE; ACCOUNT; RELATED; CARD; USER; PROCESS; INSTRUCTION

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------------|-------------|-------|----------|--------|--------------|
| G06F; G06F-007/08 | | | Main | | "Version 7" |

US Classification, Issued: 235381000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-N01A1; T01-S03; T05-L03C1

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0014772923 *Drawing available*

WPI Acc no: 2005-120588/200513

XRPX Acc No: N2005-104022

Self-service terminal e.g. automated teller machine has wireless tag reader for reading information such as serial number, printing date, from wireless tag incorporated within media items e.g. banknote, checks

Patent Assignee: NCR CORP (NATC)

Inventor: FORREST S J; ROSS G A

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| US 20050010525 | A1 | 20050113 | US 2003618235 | A | 20030711 | 200513 | B |

Priority Applications (no., kind, date): US 2003618235 A 20030711

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|----------------|------|-----|-----|------|--------------|
| US 20050010525 | A1 | EN | 21 | 10 | |

Alerting Abstract US A1

NOVELTY - A **depository** module **receives** the media items such as banknote, check, payment sheets, etc. A radio frequency **identification** (RFID) **tag** reader reads the **information** such as serial **number** of banknote, **printing** date of note, payor and payee details, expiry date of the check, etc., from the RFID tag incorporated within the media item, for analyzing the media item.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. method of operating self-service terminal;
2. method of rendering valueless valuable media items;
3. valuable media store;
4. valuable media item;
5. method of detecting multiple superimposed media item; and
6. method of authenticating item.

USE - E.g. **automated teller machine (ATM)** of deposit type, non-cash kiosks, kiosks such as web **surfing kiosks**, **photoprinting kiosks** and cash-in-transit vehicle.

ADVANTAGE - The validation of the banknotes, checks are performed quickly and easily and the banknotes deposited by the user is authenticated in real-time. Improves the reliability of the **depository** module, **dispenser** module, while reducing the cost.

DESCRIPTION OF DRAWINGS - The figure shows the **block** diagram of the self-service terminal.

10 ATM

66 controller

Title Terms /Index Terms/Additional Words: SELF; SERVICE; TERMINAL; AUTOMATIC; TELLER; MACHINE; WIRELESS; TAG; READ; INFORMATION; SERIAL; NUMBER; PRINT; DATE; INCORPORATE; MEDIUM; ITEM; BANKNOTE; CHECK

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------|-------------|-------|----------|--------|--------------|
| G06F-017/60 | | | Main | | "Version 7" |

US Classification, Issued: 705043000

File Segment: EPI;

DWPI Class: T04; T05; W02

Manual Codes (EPI/S-X): T04-K02; T05-J; T05-L03C1; W02-G05A; W02-G05B

17/5/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0014495750 *Drawing available*

WPI Acc no: 2004-677658/200466

XRPX Acc No: N2004-537131

Enclosure of automated banking machine used for banking transactions, has door in hinged connection with machine main unit, to which hinge cover is connected through linkage

Patent Assignee: DIEBOLD INC (DIEB-N); DIEBOLD SELF SERVICE SYSTEMS DIV DIEBOLD (DIEB-N); DIEBOLD SELF-SERVICE SYSTEMS (DIEB-N); DIEBOLD SELF-SERVICE SYSTEMS DIV DIEBOLD (DIEB-N); DIEBOLD SELF-SERVICE SYSTEMS DIV DIEBOLD INC (DIEB-N); DIEBOLD-SELF SERVICE SYSTEMS DIV DIEBOLD (DIEB-N); FOCKLER G (FOCK-I); GRIGGY S (GRIG-I); TUROCY K (TURO-I)

Inventor: BARKER D; BARKER D A; BARNETT R W; BAUER T; BESKITT W; BESKITT W D; BOOTH J ; DOUGLAS M; DOUGLASS M; EASTMAN J; FELT D; FOCKLER G; GRAEF H T; GRAEF T H; GRIGGY S; HOLLIFIELD D; JENKINS R; KANSA R; KOVACS D; KOVACS D A; KRAFT D; LUTE R; LUTE R C; MAGEE P D; MLEZIVA R; SCHOEFFLER D; SZABAT W; SZABAT W J; TULA P; TUROCY K; UTZ Z; VAISHNAV D; VAISHNAV D H; WANG Z; WANG Z Y; WATSON T; WYMER M; WYMER M D M; YOUNG J; ABAT W; UTZM Z

Patent Family (34 patents, 107 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| WO 2004081739 | A2 | 20040923 | WO 2004US7167 | A | 20040310 | 200466 | B |
| US 20040222286 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797593 | A | 20040310 | | |
| US 20040222287 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |

| | | | | | | | |
|----------------|----|----------|---------------|---|----------|--------|---|
| | | | US 2004797620 | A | 20040310 | | |
| US 20040222288 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797633 | A | 20040310 | | |
| US 20040222289 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797634 | A | 20040310 | | |
| US 20040222290 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797659 | A | 20040310 | | |
| US 20040222291 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797660 | A | 20040310 | | |
| US 20040222292 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797721 | A | 20040310 | | |
| US 20040222293 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797722 | A | 20040310 | | |
| US 20040222294 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797724 | A | 20040310 | | |
| US 20040222295 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797928 | A | 20040310 | | |
| US 20040222296 | A1 | 20041111 | US 2003453667 | P | 20030310 | 200475 | E |
| | | | US 2004797929 | A | 20040310 | | |
| US 20040245333 | A1 | 20041209 | US 2003453667 | P | 20030310 | 200481 | E |
| | | | US 2004797656 | A | 20040310 | | |
| US 20050006464 | A1 | 20050113 | US 2003453667 | P | 20030310 | 200506 | E |
| | | | US 2004797658 | A | 20040310 | | |
| US 6896181 | B2 | 20050524 | US 2003453667 | P | 20030310 | 200536 | E |
| | | | US 2004797722 | A | 20040310 | | |
| US 20050156025 | A1 | 20050721 | US 2003453667 | P | 20030310 | 200548 | E |
| | | | US 2004797722 | A | 20040310 | | |
| | | | US 200560697 | A | 20050217 | | |
| US 6962285 | B2 | 20051108 | US 2003453667 | P | 20030310 | 200574 | E |
| | | | US 2004797620 | A | 20040310 | | |
| US 20050279822 | A1 | 20051222 | US 2003453667 | P | 20030310 | 200603 | E |
| | | | US 2004797620 | A | 20040310 | | |
| | | | US 2005193186 | A | 20050729 | | |
| BR 200408291 | A | 20060307 | BR 20048291 | A | 20040310 | 200619 | E |
| | | | WO 2004US7167 | A | 20040310 | | |
| US 7040534 | B2 | 20060509 | US 2003453667 | P | 20030310 | 200633 | E |
| | | | US 2004797721 | A | 20040310 | | |
| US 7044367 | B2 | 20060516 | US 2003453667 | P | 20030310 | 200633 | E |
| | | | US 2004797659 | A | 20040310 | | |
| EP 1672462 | A2 | 20060621 | EP 2004719200 | A | 20040310 | 200643 | E |
| | | | EP 20066668 | A | 20040310 | | |
| US 7063254 | B2 | 20060620 | US 2003453667 | P | 20030310 | 200643 | E |

| | | | | | | | |
|----------------|----|----------|-----------------|---|----------|--------|---|
| | | | US 2004797658 | A | 20040310 | | |
| EP 1683116 | A2 | 20060726 | EP 2004719200 | A | 20040310 | 200649 | E |
| | | | WO 2004US7167 | A | 20040310 | | |
| | | | EP 20066668 | A | 20060330 | | |
| MX 2005009094 | A1 | 20060401 | WO 2004US7167 | A | 20040310 | 200654 | E |
| | | | MX 20059094 | A | 20050825 | | |
| US 7093751 | B2 | 20060822 | US 2003453667 | P | 20030310 | 200656 | E |
| | | | US 2004797633 | A | 20040310 | | |
| US 7104442 | B2 | 20060912 | US 2003453667 | P | 20030310 | 200660 | E |
| | | | US 2004797656 | A | 20040310 | | |
| US 7111776 | B2 | 20060926 | US 2003453667 | P | 20030310 | 200663 | E |
| | | | US 2004797660 | A | 20040310 | | |
| ZA 200507548 | A | 20060927 | ZA 20057548 | A | 20050919 | 200669 | E |
| US 7152784 | B2 | 20061226 | US 2003453667 | P | 20030310 | 200702 | E |
| | | | US 2004797929 | A | 20040310 | | |
| US 7168613 | B2 | 20070130 | US 2003453667 | P | 20030310 | 200710 | E |
| | | | US 2004797593 | A | 20040310 | | |
| CN 1836239 | A | 20060920 | CN 200480006587 | A | 20040310 | 200711 | E |
| US 20070102509 | A1 | 20070510 | US 2003453667 | P | 20030310 | 200732 | E |
| | | | US 2004797928 | A | 20040310 | | |
| | | | US 2006645465 | A | 20061226 | | |
| US 7229008 | B2 | 20070612 | US 2003453667 | P | 20030310 | 200740 | E |
| | | | US 2004797722 | A | 20040310 | | |
| | | | US 200560697 | A | 20050217 | | |

Priority Applications (no., kind, date): US 2003453667 P 20030310; US 2004797593 A 20040310; US 2004797620 A 20040310; US 2004797633 A 20040310; US 2004797634 A 20040310; US 2004797656 A 20040310; US 2004797658 A 20040310; US 2004797659 A 20040310; US 2004797660 A 20040310; US 2004797721 A 20040310; US 2004797722 A 20040310; US 2004797724 A 20040310; US 2004797928 A 20040310; US 2004797929 A 20040310; US 200560697 A 20050217; US 2005193186 A 20050729; US 2006645465 A 20061226

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|--------------------------------------|---|-----|-----|------|--------------|--|
| WO 2004081739 | A2 | EN | 228 | 121 | | |
| National Designated States, Original | AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW | | | | | |
| Regional Designated States, Original | AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW | | | | | |

| | | | | | | |
|-------------------------------------|---|----|-----|--|-------------------------|---------------|
| US 20040222286 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222287 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222288 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222289 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222290 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222291 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222292 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222293 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222294 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222295 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040222296 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20040245333 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 20050006464 | A1 | EN | | | Related to Provisional | US 2003453667 |
| US 6896181 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 20050156025 | A1 | EN | | | Related to Provisional | US 2003453667 |
| | | | | | Division of application | US 2004797722 |
| | | | | | Division of patent | US 6896181 |
| US 6962285 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 20050279822 | A1 | EN | | | Related to Provisional | US 2003453667 |
| | | | | | Division of application | US 2004797620 |
| | | | | | Division of patent | US 6962285 |
| BR 200408291 | A | PT | | | PCT Application | WO 2004US7167 |
| | | | | | Based on OPI patent | WO 2004081739 |
| US 7040534 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 7044367 | B2 | EN | | | Related to Provisional | US 2003453667 |
| EP 1672462 | A2 | EN | | | Division of application | EP 2004719200 |
| Regional Designated States,Original | AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR | | | | | |
| US 7063254 | B2 | EN | | | Related to Provisional | US 2003453667 |
| EP 1683116 | A2 | EN | | | PCT Application | WO 2004US7167 |
| | | | | | Related to application | EP 20066668 |
| | | | | | Related to patent | EP 1672462 |
| | | | | | Based on OPI patent | WO 2004081739 |
| Regional Designated States,Original | DE ES FR GB IT | | | | | |
| MX 2005009094 | A1 | ES | | | PCT Application | WO 2004US7167 |
| | | | | | Based on OPI patent | WO 2004081739 |
| US 7093751 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 7104442 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 7111776 | B2 | EN | | | Related to Provisional | US 2003453667 |
| ZA 200507548 | A | EN | 240 | | | |
| US 7152784 | B2 | EN | | | Related to Provisional | US 2003453667 |
| US 7168613 | B2 | EN | | | Related to Provisional | US 2003453667 |

| | | | | | | |
|----------------|----|----|--|--|-------------------------|---------------|
| US 20070102509 | A1 | EN | | | Related to Provisional | US 2003453667 |
| | | | | | Division of application | US 2004797928 |
| | | | | | Division of patent | US 7156296 |
| US 7229008 | B2 | EN | | | Related to Provisional | US 2003453667 |
| | | | | | Division of application | US 2004797722 |
| | | | | | Division of patent | US 6896181 |

Alerting Abstract WO A2

NOVELTY - The enclosure comprises a **cash dispensing automated banking machine** (10) including a door in hinged connection with the machine main unit. A hinge cover arrangement includes a hinge cover which is operatively connected to the door through a linkage. The hinge cover moves towards or from a position covering the hinge, responsive to movement of the door.

DESCRIPTION - **INDEPENDENT CLAIMS** are also included for the following:

7. **automated banking machine** enclosure operating method;
8. **cash dispensing automated banking machine**; and
9. **cash dispensing automated banking machine** operating method.

USE - For **cash dispensing automated banking machine** (claimed) e.g. **automated teller machine (ATM)** used for banking transactions including **dispensing of cash**, making of deposits, transfer of funds between accounts, payment of bills and account balance enquiries.

ADVANTAGE - The operability of the **ATM** is improved.

DESCRIPTION OF DRAWINGS - The figure shows a perspective view of the **automated banking machine**.

10 **automated banking machine**

12 display device

16 keypad

20 receipt printer

24 **cash dispenser**

26 depository mechanism

Title Terms /Index Terms/Additional Words: ENCLOSE; AUTOMATIC; BANK; MACHINE; TRANSACTION; DOOR; HINGE; CONNECT; MAIN; UNIT; COVER; THROUGH; LINK

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------------|-------------|-------|----------|--------|--------------|
| G06F; G07D-011/00 | | | Main | | "Version 7" |
| G06F-0001/00 | A | I | F | B | 20060101 |
| G06F-0017/00 | A | I | F | B | 20060101 |
| G06F-0019/00 | A | I | F | | 20060101 |
| G06F-0007/08 | A | I | | R | 20060101 |
| G06F-0007/08 | A | I | L | B | 20060101 |
| G06K-0005/00 | A | I | L | B | 20060101 |

Inventor: NOGUCHI M S

Patent Family (2 patents, 2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| BR 200300066 | A | 20030415 | BR 200366 | A | 20030121 | 200340 | B |
| US 20050203846 | A1 | 20050915 | US 2003603384 | A | 20030625 | 200567 | ETAB |

Priority Applications (no., kind, date): BR 200366 A 20030121

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|----------------|------|-----|-----|------|--------------|
| BR 200300066 | A | PT | 1 | 5 | |
| US 20050203846 | A1 | EN | 9 | 5 | |

Alerting Abstract US A1

NOVELTY - A depository module (1) includes a bar code reader (6) that reads bar codes on documents, a magnetic character reader (7) that reads character on documents, a scanner (8) that digitizes and files the images of documents, and a **printer** (9) that **prints identification** or other data on documents.

USE - E.g. **automatic teller machine** (ATM) with functions to perform check and/or currency **deposits** in **envelopes**, individual check **deposits**, currency deposits, currency recycling and supply, and bill payments.

ADVANTAGE - Enables to place all deposit possibilities such as check or currency **deposits** within **envelope** and individual check **deposits**, in same deposit terminal.

DESCRIPTION OF DRAWINGS - The figure shows a **block** diagram of the self-service equipment.

1 depository module

6 bar code reader

7 magnetic character reader

8 scanner

9 printer

Title Terms /Index Terms/Additional Words: SELF; SERVICE; BANK; APPARATUS; AUTOMATIC; TELLER; MACHINE; DEPOSIT; MODULE; COMPRISE; BAR; CODE; READ; MAGNETIC; CHARACTER; SCAN; PRINT; IDENTIFY; DATA; DOCUMENT

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-----------------------------|-------------|-------|----------|--------|--------------|
| G06F-017/60; G07F-019/00 | | | Main | | "Version 7" |

US Classification, Issued: 705042000, 705043000

File Segment: EPI;
DWPI Class: T04; T05
Manual Codes (EPI/S-X): T04-A03B1; T04-D01; T05-L03C1

17/5/5 (Item 5 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0012418769 *Drawing available*

WPI Acc no: 2002-363254/200240

XRPX Acc No: N2002-283875

Unique voucher number determination method for cashless casino gaming system, involves writing voucher number based on cyclic redundancy check result to machine readable vouchers

Patent Assignee: INT GAME TECHNOLOGY (ITGA-N); MARCU A R (MARC-I)

Inventor: MARCU A R

Patent Family (3 patents, 2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| CA 2356015 | A1 | 20020228 | CA 2356015 | A | 20010829 | 200240 | B |
| US 20030166412 | A1 | 20030904 | US 2000652163 | A | 20000831 | 200359 | E |
| | | | US 2003352435 | A | 20030128 | | |
| US 6935953 | B2 | 20050830 | US 2000652163 | A | 20000831 | 200557 | E |
| | | | US 2003352435 | A | 20030128 | | |

Priority Applications (no., kind, date): US 2003352435 A 20030128; US 2000652163 A 20000831

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|----------------|------|-----|-----|------|-----------------------------|---------------|
| CA 2356015 | A1 | EN | 40 | 8 | | |
| US 20030166412 | A1 | EN | | | Continuation of application | US 2000652163 |
| US 6935953 | B2 | EN | | | Continuation of application | US 2000652163 |

Alerting Abstract CA A1

NOVELTY - A unique machine identification number and a sequence number are reversibly combined to form a combined number. A two byte cyclic redundancy check (CRC) is performed on a portion of the combined number to obtain CRC result, and the unique voucher number obtained based on the CRC result, is written to a machine readable voucher.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- A. Casino game for use in cashless casino gaming system;
- B. Computer readable medium storing program for unique voucher number determination

USE - For encoding machine readable vouchers for cashless casino gaming system comprising slot machines.
 ADVANTAGE - The voucher dispensing machine is similar to an **automatic teller machine** that **accepts** credit cards, debit **cards**, **cash**, **etc.**, and **dispenses** a cashless casino voucher, **thereby** allowing patrons of one casino to use their vouchers with another casino and vice versa.
 DESCRIPTION OF DRAWINGS - The figure shows a **block** diagram of the casino game system.

Title Terms /Index Terms/Additional Words: UNIQUE; VOUCHER; NUMBER; DETERMINE; METHOD; CASINO; GAME; SYSTEM; WRITING; BASED; CYCLIC; REDUNDANT; CHECK; RESULT; MACHINE; READ

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|---------------------------------------|-------------|-------|-----------|--------|--------------|
| A63F-013/00; G06F-017/00; G07F-007/08 | | | Main | | "Version 7" |
| G07F-017/32 | | | Secondary | | "Version 7" |

US Classification, Issued: 463025000, 463029000, 463020000

File Segment: EngPI; EPI;

DWPI Class: T01; T05; W04; P36

Manual Codes (EPI/S-X): T01-G01A; T01-J30B; T01-S03; T05-H02C3; T05-H05E; W04-X02A3

17/5/6 (Item 6 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0012274731 *Drawing available*

WPI Acc no: 2002-215394/200227

Related WPI Acc No: 2001-146877; 2002-215396

XRPX Acc No: N2002-164955

Debit account establishing apparatus for credit card transaction, sends receipt printed with personal identifier and debit account numbers to transaction terminal, depending on received funds from customer

Patent Assignee: KEIL D S (KEIL-I)

Inventor: KEIL D S

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| US 20010023409 | A1 | 20010920 | US 199889755 | P | 19980618 | 200227 | B |
| | | | US 1999334887 | A | 19990617 | | |
| | | | US 2001837926 | A | 20010418 | | |

Priority Applications (no., kind, date): US 1999334887 A 19990617; US 199889755 P 19980618; US 2001837926 A 20010418

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|----------------|------|-----|-----|------|------------------------|---------------|
| US 20010023409 | A1 | EN | 15 | 8 | Related to Provisional | US 199889755 |
| | | | | | C-I-P of application | US 1999334887 |

Alerting Abstract US A1

NOVELTY - A transaction terminal initiates point of sale (POS) transaction to accept an input value representing funds to be deposited into debit account, from a customer. The terminal transmits input value to host which in turn sends receipt **printed** with personal identifier **number** (PIN) and debit account number, to the customer.

USE - For establishing debit account through point-of-sale (POS) terminal for credit card, bank card, ATM debit pre-paid cards transactions, etc.

ADVANTAGE - Allows customers to establish debit accounts in easy and efficient manner, without providing personal identification data, thereby assuring anonymity of account. The system does not require standard POS payment implements such as plastic card, smart card, etc., outlay of capital of customer is minimized and possibility of theft of card is eliminated.

DESCRIPTION OF DRAWINGS - The figure shows a **block** diagram of POS transaction terminal.

Title Terms /Index Terms/Additional Words: DEBIT; ACCOUNT; ESTABLISH; APPARATUS; CREDIT ; CARD; TRANSACTION; SEND; RECEIPT; PRINT; PERSON; IDENTIFY; NUMBER; TERMINAL; DEPEND; RECEIVE; FUND; CUSTOMER

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------|-------------|-------|----------|--------|--------------|
| G06F-017/60 | | | Main | | "Version 7" |

US Classification, Issued: 705017000, 705039000, 705016000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-J12C; T01-N01A2A; T05-H02C3; T05-H02C5C; T05-L01D

17/5/7 (Item 7 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0010542958 *Drawing available*

WPI Acc no: 2001-145971/200115

XRPX Acc No: N2001-106753

Fund transfer system for transfer of currencies, dispenses preselected amount based on comparison of security code and preselected currency amount with corresponding reference values stored in memory

Patent Assignee: HOLLIS D (HOLL-I)

Inventor: HOLLIS D

Patent Family (2 patents, 2 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|---------------|------|----------|--------------------|------|----------|--------|------|
| US 6149057 | A | 20001121 | US 1998223581 | A | 19981230 | 200115 | B |
| MX 2000000061 | A1 | 20020101 | MX 200061 | A | 20000103 | 200362 | E |

Priority Applications (no., kind, date): US 1998223581 A 19981230

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|---------------|------|-----|-----|------|--------------|
| US 6149057 | A | EN | 11 | 4 | |

Alerting Abstract US A

NOVELTY - Memory of host computer (34) stores reference currency and security number based on reference number of pre-printed envelope. A system receives preset currency amount, reference number and security code input by recipient. The received code and currency amount is compared with specific values in memory based on which host computer authorizes dispensing of preselected amount.

DESCRIPTION - The system comprises a pre-printed envelope containing indica indicating a preselected currency amount, reference number identifying the envelope and a security code. A remote terminal receives the preselected currency amount, security code and reference number for generating reference signals including the preselected currency amount, security code and reference number. A host computer stores reference currency amount and security code corresponding to reference number. A system receives preselected currency amount, reference number and security code input by recipient. The received security code and preselected currency amount is compared with reference currency amount and reference security code stored in memory. The values are in accord, dispensing terminal is authorized by host computer to dispense the preselected amount. An INDEPENDENT CLAIM is also included for funds transferring method.

USE - For transferring currencies between two countries having different currencies.

ADVANTAGE - The money can be transferred without use of any unique personnel identification code or a PIN number of recipient or sender. As the sender is presented with cash inside an envelope containing security code for retrieval of currency, security is improved.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of currency transfer system.

34 Host computer

Title Terms /Index Terms/Additional Words: FUND; TRANSFER; SYSTEM; DISPENSE; PRESELECTED; AMOUNT; BASED; COMPARE; SECURE; CODE; CURRENCY; CORRESPOND; REFERENCE; VALUE; STORAGE; MEMORY

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------|-------------|-------|----------|--------|--------------|
| G06F-017/60 | | | Main | | "Version 7" |

US Classification, Issued: 235379000, 235381000, 235487000, 902008000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-H07C; T01-J05A1; T05-K02; T05-L02

17/5/8 (Item 8 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0010408773 *Drawing available*

WPI Acc no: 2001-006552/200101

XRPX Acc No: N2001-004703

Remote interactive point access financial and information system for video conferencing, ATM, has call center connected with bank representative station for enabling real time interaction with customer

Patent Assignee: ANDREAS D L (ANDR-I); KJONAAS D W (KJON-I); NAT CITY BANK (NACI-N)

Inventor: ANDREAS D L; KJONAAS D W

Patent Family (4 patents, 88 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| WO 2000049552 | A2 | 20000824 | WO 2000US4269 | A | 20000218 | 200101 | B |
| AU 200034967 | A | 20000904 | AU 200034967 | A | 20000218 | 200103 | E |
| US 6223983 | B1 | 20010501 | US 1999252834 | A | 19990219 | 200126 | E |
| US 20010007332 | A1 | 20010712 | US 1999252834 | A | 19990219 | 200143 | E |
| | | | US 2001798407 | A | 20010302 | | |

Priority Applications (no., kind, date): US 2001798407 A 20010302; US 1999252834 A 19990219

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|-------------------------------------|---|-----|-----|------|--------------|
| WO 2000049552 | A2 | EN | 59 | 12 | |
| National Designated States,Original | AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW | | | | |
| Regional Designated States,Original | AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW | | | | |

| | | | | | |
|----------------|----|----|--|-----------------------------|---------------|
| AU 200034967 | A | EN | | Based on OPI patent | WO 2000049552 |
| US 20010007332 | A1 | EN | | Continuation of application | US 1999252834 |
| | | | | Continuation of patent | US 6223983 |

Alerting Abstract WO A2

NOVELTY - A call center (41) has data entry ports for initiating access and for executing transactions like video conferencing with a bank at representative station (40) via an interface (17). Station (40) and CPU (60) perform operable electrical and data communications with data, voice and image processor, to enable the bank to interact with the customer in real time and to provide customer access to the CPU.

DESCRIPTION - The interactive point access financial and information system comprises a remote **automated teller machine (ATM)** (10), the call center (41), a depository (12). The bank representative station (40) includes a CPU, and data, voice and image processor operably connected to the call center (41), station (40) and CPU. The depository includes a security box which is operable via command functions at the station (40). The call center executes desired transactions like deposits, withdraws, loans, and exchanges information with the banker in real time on face to face basis. INDEPENDENT CLAIMS are also included for the following:

- C. method of providing interactive point access banking information;
- D. remote interactive point access virtual financial and information system

USE - For providing integrated platform of services like video conferencing, commercial depository, and customized **automated teller machine** used for **dispensing** event tickets, **discount coupons**, **cash withdrawal**, **deposits** and providing **coupons** for **bank products and services**.

ADVANTAGE - The system provides of full service virtual bank to a customer and enables remote transactional engagement, on demand basis at high level of availability like seven days a week, 24 hours a day. Enables the customer to access and execute all major transactions on demand basis and further serves as a medium for information from multiple sources. As the system is operated by computer implemented software, it enables the customer to remotely process check accounts, use a cash card or check card, charge a check, Use infobank, check order/reorder, execute direct deposit authorization, access saving account information and review personal financial profiles. Uses software program logic, which is robust and user friendly, and provides the customer with various options to access and close among various bank services. The call center which is a customer service platform, provides third party services like insurance, travel, investment and similar services which are of general interest to the customer. The interactive video conferencing enables face to face interview and conversation with a bank representative who assists the remote customer in **opening** new **deposit** accounts, direct **deposit** capability, reorder **checks**, provides **general** information regarding loans, forward loan applications, discuss additional product offerings of the bank, and answers customer service related questions. The system is modular and expandable to be compatible with emerging technologies like internet/intranet, cellular systems and high bandwidth digital communications, for enabling individual and institutional customers to access full banking services from remote locations.

DESCRIPTION OF DRAWINGS - The figure shows the **block** diagram representing operational interface of the remote **interactive** point access financial and information system.

10 ATM

12 Depository

17 Interface

40 Bank representative station

41 Call center

60 CPU

Title Terms /Index Terms/Additional Words: REMOTE; INTERACT; POINT; ACCESS; FINANCIAL; INFORMATION; SYSTEM; VIDEO; ATM; CALL; CONNECT; BANK; REPRESENT; STATION; ENABLE; REAL; TIME; CUSTOMER

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-------------|-------------|-------|----------|--------|--------------|
| G06F-017/60 | | | Main | | "Version 7" |

US Classification, Issued: 235379000, 235379000, 705042000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-H07C5; T01-J05A1; T05-L03C1

17/5/9 (Item 9 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0009949059 *Drawing available*

WPI Acc no: 2000-250806/200022

XRPX Acc No: N2000-188098

Passbook printer for cash dispenser in bank, has conveyor that conveys passbook to bottom of printing head when its distance from printing head is lesser than full length of passbook

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: MURAYAMA T

Patent Family (2 patents, 1 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|---------------|------|----------|--------------------|------|----------|--------|------|
| JP 2000062267 | A | 20000229 | JP 1998236980 | A | 19980824 | 200022 | B |
| JP 3650273 | B2 | 20050518 | JP 1998236980 | A | 19980824 | 200533 | E |

Priority Applications (no., kind, date): JP 1998236980 A 19980824

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|---------------|------|-----|-----|------|--------------------------|---------------|
| JP 2000062267 | A | JA | 15 | 8 | | |
| JP 3650273 | B2 | JA | 15 | | Previously issued patent | JP 2000062267 |

Alerting Abstract JP A

NOVELTY - The distance between the edge of the passbook and the printing head (11A) of printer (11), is compared with full length of the passbook. The passbook is conveyed to the bottom of printing head along the conveyance path (10) by a conveyor (13) when the distance is lesser than full length. The printing head prints the data to the line of passbook formed in the orthogonal direction to conveyance direction.

USE - For automatic printing of data on passbook in **cash dispenser**, automatic **depositor**, **automatic teller machine** used in bank.

ADVANTAGE - Improves printing efficiency by reducing deviation of position of passbook precisely. Shortens distance required to convey passbook in reduced deviation with printing head. Improves printing speed of high quality data on passbook. Reduces installation and maintenance cost of banking system by reducing **number of printers** required to provide excellent service to user.

DESCRIPTION OF DRAWINGS - The figure shows **block** diagram of notebook printer.

10 Conveyance path

11 Printer

11A Printing head

13 Conveyor

Title Terms /Index Terms/Additional Words: PASSBOOK; PRINT; CASH; DISPENSE; BANK; CONVEYOR; CONVEY; BOTTOM; HEAD; DISTANCE; FULL; LENGTH

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|-----------------------------|-------------|-------|-----------|--------|--------------|
| B41J-013/26 | | | Main | | "Version 7" |
| B41J-011/42; G07D-009/00 | | | Secondary | | "Version 7" |

File Segment: EngPI; EPI;

DWPI Class: T04; T05; P75

Manual Codes (EPI/S-X): T04-G06A; T04-G09; T05-C01; T05-L03E

[File 350] **Derwent WPIX** 1963-2007/UD=200743

(c) 2007 The Thomson Corporation. All rights reserved.

**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

[File 347] **JAPIO** Dec 1976-2007/Dec(Updated 070702)

(c) 2007 JPO & JAPIO. All rights reserved.

[File 348] **EUROPEAN PATENTS** 1978-2007/ 200728

(c) 2007 European Patent Office. All rights reserved.

**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070705UT=20070628

(c) 2007 WIPO/Thomson. All rights reserved.

**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 120] **U.S. Copyrights** 1978-2007/May 29

(c) format only 2007 Dialog. All rights reserved.

[File 426] **LCMARC-Books** 1968-2007/May W4

(c) format only 2007 Dialog. All rights reserved.

[File 430] **British Books in Print** 2007/Jan W3

(c) 2007 J. Whitaker & Sons Ltd. All rights reserved.

**File 430: File 430 is closed (no longer updates).*

[File 483] **Newspaper Abs Daily** 1986-2007/Jul 13

(c) 2007 ProQuest Info&Learning. All rights reserved.

| Set | Items | Description |
|-----|--------|---|
| S1 | 16 | S AU=(HANEY, S? OR HANEY S? OR HANEY(1N) (S OR SEAN)) |
| S2 | 161 | S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N) (J OR JEFFERY)) |
| S3 | 730 | S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N) (J OR JEFFERY)) |
| S4 | 40 | S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N) (F OR FRANKLIN)) |
| S5 | 325 | S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N) (R OR MATTHEW)) |
| S6 | 42 | S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N) (W OR WILLIAM)) |
| S7 | 427 | S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N) (C OR COLIN)) |
| S8 | 85 | S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N) (E OR EDWARD)) |
| S9 | 3675 | S AU=(RYAN, M? OR RYAN M? OR RYAN(1N) (M OR MIKE)) |
| S10 | 19 | S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N) (B OR BILL)) |
| S11 | 1492 | S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N) (D OR DAVID)) |
| S12 | 112 | S AU=(FORCE, M? OR FORCE M? OR FORCE(1N) (M OR MATTHEW)) |
| S13 | 111950 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC())TELLER? ? OR ATM OR ATMS |
| S14 | 221321 | S IC=G06F-017/60 |
| S15 | 2 | S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8 AND S9 AND S10 AND S11 AND S12 |
| S16 | 7005 | S S1 OR S2 OR S3 OR S4 OR S5 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 |

| | | |
|-----|---------|---|
| S17 | 143 | S S16 AND S13 |
| S18 | 37 | S S17 AND S14 |
| S19 | 1282003 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? |
| S20 | 11 | S S18 AND S19 |
| S21 | 11 | IDPAT (sorted in duplicate/non-duplicate order) |
| S22 | 11 | IDPAT (primary/non-duplicate records only) |

15/5/2 (Item 1 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

01159837

CASH DISPENSING AUTOMATED BANKING MACHINE DEPOSIT ACCEPTING SYSTEM AND METHOD

SYSTEME ET PROCEDE D'ACCEPTATION DE DEPOT POUR DISTRIBUTEUR AUTOMATIQUE DE BILLETS DE BANQUE

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 Mayfair Road, North Canton, OH 44720
US; US(Residence); US(Nationality)
(For all designated states except: US)
- **ENRIGHT Jeffery M**; 4496 Rex Lake Drive, Akron, OH 44319
US; US(Residence); US(Nationality)
(Designated only for: US)
- **THERIAULT Franklin M**; 4503 Northview Avenue NW, Canton, OH 44709
US; US(Residence); US(Nationality)
(Designated only for: US)
- **DUNLAP R Matthew**; 1319 Elmwood Avenue SW, North Canton, OH 44720
US; US(Residence); US(Nationality)
(Designated only for: US)
- **BESKITT William D**; 4817 Meadowlane Drive, Canton, OH 44709
US; US(Residence); US(Nationality)
(Designated only for: US)
- **HANEY Sean**; 5426 Chianti Street NW, North Canton, OH 44720
US; US(Residence); US(Nationality)
(Designated only for: US)
- **FITZPATRICK Colin**; 389 North Summit Street, Smithville, OH 44677
US; US(Residence); US(Nationality)
(Designated only for: US)
- **LASKOWSKI Edward L**; 6154 Winchester Drive, Seven Hills, OH 44131
US; US(Residence); US(Nationality)
(Designated only for: US)
- **RYAN Mike**; 1403 44th Street NE, Canton, OH 44714
US; US(Residence); US(Nationality)
(Designated only for: US)
- **LAVELLE Bill**; 3255 Broadhaven Avenue NW, Massillon, OH 44646
US; US(Residence); US(Nationality)
(Designated only for: US)
- **SCHULTZ David**; 7453 Quail Hollow NW Apt. B16, Massillon, OH 44646
US; US(Residence); US(Nationality)

(Designated only for: US)

- **FORCE Matthew**; 2624 Country Squire, Uniontown, OH 44685
US; US(Residence); US(Nationality)
(Designated only for: US)
- **EASTMAN Jeffrey**; 2152 Mohler Drive NW, North Canton, OH 44720
US; US(Residence); US(Nationality)
(Designated only for: US)

Patent Applicant/Inventor:

- **ENRIGHT Jeffery M**
4496 Rex Lake Drive, Akron, OH 44319; US; US(Residence); US(Nationality); (Designated only for: US)
- **THERIAULT Franklin M**
4503 Northview Avenue NW, Canton, OH 44709; US; US(Residence); US(Nationality); (Designated only for: US)
- **DUNLAP R Matthew**
1319 Elmwood Avenue SW, North Canton, OH 44720; US; US(Residence); US(Nationality); (Designated only for: US)
- **BESKITT William D**
4817 Meadowlane Drive, Canton, OH 44709; US; US(Residence); US(Nationality); (Designated only for: US)
- **HANEY Sean**
5426 Chianti Street NW, North Canton, OH 44720; US; US(Residence); US(Nationality); (Designated only for: US)
- **FITZPATRICK Colin**
389 North Summit Street, Smithville, OH 44677; US; US(Residence); US(Nationality); (Designated only for: US)
- **LASKOWSKI Edward L**
6154 Winchester Drive, Seven Hills, OH 44131; US; US(Residence); US(Nationality); (Designated only for: US)
- **RYAN Mike**
1403 44th Street NE, Canton, OH 44714; US; US(Residence); US(Nationality); (Designated only for: US)
- **LAVELLE Bill**
3255 Broadhaven Avenue NW, Massillon, OH 44646; US; US(Residence); US(Nationality); (Designated only for: US)
- **SCHULTZ David**
7453 Quail Hollow NW Apt. B16, Massillon, OH 44646; US; US(Residence); US(Nationality); (Designated only for: US)
- **FORCE Matthew**
2624 Country Squire, Uniontown, OH 44685; US; US(Residence); US(Nationality); (Designated only for: US)
- **EASTMAN Jeffrey**
2152 Mohler Drive NW, North Canton, OH 44720; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **JOCKE Ralph E(agent)**

231 South Broadway, Medina, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|------------|-------|----------|
| Patent | WO | 200481885 | A2-A3 | 20040923 |
| Application | WO | 2004US7212 | | 20040309 |
| Priorities | US | 2003453397 | | 20030310 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
 GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
 IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
 LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
 MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
 PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
 TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
 VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
 PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
 ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;
 TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |
| B07C-005/00 | |

Publication Language: English

Filing Language: English

Fulltext word count: 39852

English Abstract:

An automated banking machine includes a mechanism for accepting deposited items. Deposited items may be provided to the machine in envelopes which are first passed to a user from an envelope storage area (132) in the machine through a transport (124) and which are presented to the user through an opening (244). An envelope storage and dispensing device (134) is operative to assure that only a single envelope is delivered to the user. A user

may thereafter include deposit items in the dispensed envelope. The deposited items are passed through the opening (244) and are deposited in a deposit-holding container (128). The deposited items may be marked with indicia corresponding to the transaction or properties of the deposited item where the envelope originally dispensed to the user for holding the deposited item.

French Abstract:

Un distributeur automatique de billets de banque comprend un mecanisme d'acceptation d'articles deposes. Les articles doivent etre deposes dans des enveloppes qui sont acheminees jusqu'a un utilisateur depuis une zone de stockage d'enveloppes (132) dans la machine par un moyen de transport (124) et presentees a l'utilisateur via une ouverture (244). Un dispositif de stockage et de distribution d'enveloppes (134) fonctionne de maniere a assurer qu'une seule et unique enveloppe soit remise a l'utilisateur. Un utilisateur peut ensuite déposer les articles dans l'enveloppe distribuee. Les articles deposes passent par l'ouverture (244) et sont deposes dans un recipient (128) pour depots. Les articles deposes peuvent etre marques avec des empreintes correspondant a la transaction ou les proprietes de l'article depose a l'endroit dans lequel se trouvait initialement l'enveloppe distribuee a l'utilisateur et destinee a contenir l'article depose.

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20040923 | A2 | Without international search report and to be republished upon receipt of that report. |
| Search Rpt | 20050519 | | Late publication of international search report |
| Republication | 20050519 | A3 | With international search report. |

22/5/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

(c) 2007 The Thomson Corporation. All rights reserved.

0014495766 *Drawing available*

WPI Acc no: 2004-677674/200466

XRPX Acc No: N2004-537147

Automated teller machine transfers empty envelope through deposit opening to user and conveys deposit envelope including deposit items to deposit holding container

Patent Assignee: DIEBOLD INC (DIEB-N); DIEBOLD SELF SERVICE SYSTEMS DIV DIEBOLD INC (DIEB-N) ; DIEBOLD SELF-SERVICE SYSTEMS DIV DIEBOLD (DIEB-N); DIEBOLD SELF-SERVICE SYSTEMS DIV DIEBOLD INC (DIEB-N)

Inventor: BANEY S; BESKITT W D; DUNLAP R M; EASTMAN J; ENRIGHT J M; FITZPATRICK C; FORCE M; HANEY S; LASKOWSKI E L; LAVELLE B; RYAN M; SCHULTZ D; THERIAULT F M; SHULTZ D

Patent Family (23 patents, 107 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| WO 2004081885 | A2 | 20040923 | WO 2004US7212 | A | 20040309 | 200466 | B |
| US 20040206767 | A1 | 20041021 | US 2003453397 | P | 20030310 | 200470 | E |
| | | | US 2004796798 | A | 20040309 | | |

| | | | | | | | |
|----------------|----|----------|-----------------|---|----------|--------|---|
| US 20040206811 | A1 | 20041021 | US 2003453397 | P | 20030310 | 200470 | E |
| | | | US 2004796775 | A | 20040309 | | |
| US 20040207143 | A1 | 20041021 | US 2003453397 | P | 20030310 | 200470 | E |
| | | | US 2004796779 | A | 20040309 | | |
| US 20040207151 | A1 | 20041021 | US 2003453397 | P | 20030310 | 200470 | E |
| | | | US 2004796780 | A | 20040309 | | |
| US 20040207682 | A1 | 20041021 | US 2003453397 | P | 20030310 | 200470 | E |
| | | | US 2004796781 | A | 20040309 | | |
| US 20040215567 | A1 | 20041028 | US 2003453397 | P | 20030310 | 200472 | E |
| | | | US 2004796794 | A | 20040309 | | |
| US 20040221349 | A1 | 20041104 | US 2003453397 | P | 20030310 | 200474 | E |
| | | | US 2004796797 | A | 20040309 | | |
| US 20050023340 | A1 | 20050203 | US 2003453397 | P | 20030310 | 200511 | E |
| | | | US 2004796574 | A | 20040309 | | |
| US 20050023747 | A1 | 20050203 | US 2003453397 | P | 20030310 | 200511 | E |
| | | | US 2004796789 | A | 20040309 | | |
| US 20050184144 | A1 | 20050825 | US 2003453397 | P | 20030310 | 200556 | E |
| | | | US 2004796792 | A | 20040309 | | |
| EP 1606747 | A2 | 20051221 | EP 2004718863 | A | 20040309 | 200601 | E |
| | | | WO 2004US7212 | A | 20040309 | | |
| BR 200408290 | A | 20060307 | BR 20048290 | A | 20040309 | 200619 | E |
| | | | WO 2004US7212 | A | 20040309 | | |
| US 7017819 | B2 | 20060328 | US 2003453397 | P | 20030310 | 200622 | E |
| | | | US 2004796779 | A | 20040309 | | |
| US 7021529 | B2 | 20060404 | US 2003453397 | P | 20030310 | 200624 | E |
| | | | US 2004796775 | A | 20040309 | | |
| MX 2005008812 | A1 | 20051001 | WO 2004US7212 | A | 20040309 | 200628 | E |
| | | | MX 20058812 | A | 20050818 | | |
| US 7044366 | B2 | 20060516 | US 2003453397 | P | 20030310 | 200633 | E |
| | | | US 2004796789 | A | 20040309 | | |
| CN 1759423 | A | 20060412 | CN 200480006602 | A | 20040309 | 200654 | E |
| US 7103958 | B2 | 20060912 | US 2003453397 | P | 20030310 | 200660 | E |
| | | | US 2004796780 | A | 20040309 | | |
| US 7108175 | B2 | 20060919 | US 2003453397 | P | 20030310 | 200662 | E |
| | | | US 2004796792 | A | 20040309 | | |
| ZA 200507549 | A | 20061227 | ZA 20057549 | A | 20050919 | 200707 | E |
| US 7185740 | B2 | 20070306 | US 2003453397 | P | 20030310 | 200719 | E |
| | | | US 2004796797 | A | 20040309 | | |
| IN 200503699 | P1 | 20070420 | WO 2004US7212 | A | 20040309 | 200737 | E |
| | | | IN 2005DN3699 | A | 20050822 | | |

Priority Applications (no., kind, date): US 2003453397 P 20030310; US 2004796574 A 20040309; US 2004796775

A 20040309; US 2004796779 A 20040309; US 2004796780 A 20040309; US 2004796781 A 20040309; US 2004796789 A 20040309; US 2004796792 A 20040309; US 2004796794 A 20040309; US 2004796797 A 20040309; US 2004796798 A 20040309

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes | |
|-------------------------------------|---|-----|-----|------|------------------------|---------------|
| WO 2004081885 | A2 | EN | 201 | 70 | | |
| National Designated States,Original | AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW | | | | | |
| Regional Designated States,Original | AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW | | | | | |
| US 20040206767 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040206811 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040207143 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040207151 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040207682 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040215567 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20040221349 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20050023340 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20050023747 | A1 | EN | | | Related to Provisional | US 2003453397 |
| US 20050184144 | A1 | EN | | | Related to Provisional | US 2003453397 |
| EP 1606747 | A2 | EN | | | PCT Application | WO 2004US7212 |
| | | | | | Based on OPI patent | WO 2004081885 |
| Regional Designated States,Original | AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR | | | | | |
| BR 200408290 | A | PT | | | PCT Application | WO 2004US7212 |
| | | | | | Based on OPI patent | WO 2004081885 |
| US 7017819 | B2 | EN | | | Related to Provisional | US 2003453397 |
| US 7021529 | B2 | EN | | | Related to Provisional | US 2003453397 |
| MX 2005008812 | A1 | ES | | | PCT Application | WO 2004US7212 |
| | | | | | Based on OPI patent | WO 2004081885 |
| US 7044366 | B2 | EN | | | Related to Provisional | US 2003453397 |
| US 7103958 | B2 | EN | | | Related to Provisional | US 2003453397 |
| US 7108175 | B2 | EN | | | Related to Provisional | US 2003453397 |
| ZA 200507549 | A | EN | 208 | | | |
| US 7185740 | B2 | EN | | | Related to Provisional | US 2003453397 |
| IN 200503699 | P1 | EN | | | PCT Application | WO 2004US7212 |

Alerting Abstract WO A2

NOVELTY - The **automated teller machine** (10) has a deposit mechanism for accepting deposits in the form of **envelopes**. The mechanism transfers an empty **envelope** through a deposit opening that extends through a housing (12) and provides the empty **envelope** to the user. A deposit **envelope** (54) including deposit items is received in the opening and transferred to a deposit holding **container** (52).

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. method for resisting axial movement of machine roller relative to shaft; and
2. method for accepting items for deposit into **automated teller machine**.

USE - For performing banking transaction such as dispensing of cash and deposit of items such as check, money order, ticket, coupon, deposit bag and deposit holding carrier using **envelopes** and communicating with financial institution through network.

ADVANTAGE - Deposits are accepted reliably and maintained securely.

DESCRIPTION OF DRAWINGS - The figure shows a schematic view of the **automated teller machine**.

10 **automated teller machine**

12 housing

40 cash dispensing outlet

52 deposit holding **container**

54 deposit **envelope**

Title Terms /Index Terms/Additional Words: AUTOMATIC; TELLER; MACHINE; TRANSFER; EMPTY; **ENVELOPE**; THROUGH; DEPOSIT; OPEN; USER; CONVEY; ITEM; HOLD; **CONTAINER**

Class Codes

International Patent Classification

| IPC | Class Level | Scope | Position | Status | Version Date |
|---|-------------|-------|-----------|--------|--------------|
| B65H-005/22; G06F; G06F-017/60 ; B41J-002/165 | | | Main | | "Version 7" |
| B07C; B07C-005/00; G07F-011/00 | | | Secondary | | "Version 7" |
| B23P-0019/02 | A | I | F | B | 20060101 |
| B41J-0002/165 | A | I | | R | 20060101 |
| G06K-0007/00 | A | I | F | B | 20060101 |
| G06Q-0040/00 | A | I | | R | 20060101 |
| G06Q-0040/00 | A | I | F | B | 20060101 |
| G07D-0011/00 | A | I | L | B | 20060101 |
| G07D-0011/00 | A | I | | R | 20060101 |
| G07D-0011/00 | A | I | F | B | 20060101 |
| G07D-0013/00 | A | I | | R | 20060101 |
| G07F-0019/00 | A | I | L | B | 20060101 |
| G07F-0019/00 | A | I | | R | 20060101 |
| B23P-0019/02 | C | I | F | B | 20060101 |

| | | | | | |
|---------------|---|---|---|---|----------|
| B41J-0002/165 | C | I | | R | 20060101 |
| G06K-0007/00 | C | I | L | B | 20060101 |
| G06Q-0040/00 | C | I | | R | 20060101 |
| G06Q-0040/00 | C | I | L | B | 20060101 |
| G06Q-0040/00 | C | I | F | B | 20060101 |
| G07D-0011/00 | C | I | L | B | 20060101 |
| G07D-0011/00 | C | I | F | B | 20060101 |
| G07D-0011/00 | C | I | | R | 20060101 |
| G07D-0011/00 | C | I | | B | 20060101 |
| G07D-0013/00 | C | I | | R | 20060101 |
| G07F-0019/00 | C | I | L | B | 20060101 |
| G07F-0019/00 | C | I | | R | 20060101 |

US Classification, Issued: 221009000, 235379000, 271001000, 271264000, 347020000, 705043000, 902009000, 235379000, 271275000, 235379000, 235486000, 235487000, 235379000, 235381000, 271002000, 902009000, 902017000, 235379000, 029525000, 029434000, 029469000, 235379000, 235379000, 186037000, 194350000, 235379R00

File Segment: EngPI; EPI;
DWPI Class: T05; P43; P75; Q36; Q47; P56
Manual Codes (EPI/S-X): T05-L03A

22/5/2 (Item 2 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.
01194001

AUTOMATED BANKING MACHINE WITH IMPROVED RESISTANCE TO FRAUD

GUICHET AUTOMATIQUE BANCAIRE PRESENTANT UNE RESISTANCE AMELIOREE A LA FRAUDE

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 MAYFAIR ROAD, North Canton, OH 44720
US; US(Residence); US(Nationality)
(For all designated states except: US)
- **RAMACHANDRAN Natarajan**; 2424 LYNDON DRIVE, Uniontown, OH 44685
US; US(Residence); US(Nationality)
(Designated only for: US)
- **ENRIGHT Jeffery M**; 4496 Rex Lake Drive, Akron, OH 44319
US; US(Residence); US(Nationality)
(Designated only for: US)
- **BLACKSON Dale**; 5056 Paddington Down Street, Medina, OH 44718

US; US(Residence); US(Nationality)
(Designated only for: US)

Patent Applicant/Inventor:

- **RAMACHANDRAN Natarajan**
2424 LYNDON DRIVE, Uniontown, OH 44685; US; US(Residence); US(Nationality); (Designated only for: US)
- **ENRIGHT Jeffery M**
4496 Rex Lake Drive, Akron, OH 44319; US; US(Residence); US(Nationality); (Designated only for: US)
- **BLACKSON Dale**
5056 Paddington Down Street, Medina, OH 44718; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **JOCKE Ralph E(agent)**
231 South Broadway, Medina, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200501598 | A2-A3 | 20050106 |
| Application | WO | 2004US14477 | | 20040507 |
| Priorities | US | 2003601813 | | 20030623 |
| | US | 2004560674 | | 20040407 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language: English

Fulltext word count: 14035

English Abstract:

An **automated banking machine** (10) includes a lockable first fascia portion (20) which when unlocked enables access to a chest lock input device (104), inputs to which enable opening a chest door (18) of the machine. Opening the first fascia portion also enables access to an actuator (116) which enables moving a second fascia portion (22) for conducting service activities. A controller (72) in the machine selectively illuminates light emitting devices (118, 126) for purposes of facilitating user operation of the machine. Sensing devices (128) adjacent a card reader slot (28) on the machine enables the controller to detect the presence of a fraud device or unauthorized card reading devices. Sensing devices (254) adjacent a keypad (32) enables the controller to detect the presence of an unauthorized manual input intercepting device.

French Abstract:

L'invention concerne un guichet automatique bancaire (10) equipe d'un premier panneau frontal verrouillable (20) qui, lorsqu'il est deverrouille, permet d'accéder a un dispositif de saisie a serrure auberonniere (104) sur lequel des donnees sont saisies pour ouvrir une porte du coffre (18) de la machine. L'ouverture du premier panneau frontal permet egalement d'accéder a un actionneur (116) pouvant enclencher le mouvement d'un second panneau frontal (22) autorisant la conduite d'activites de service. Un controleur (72) integre a la machine eclaire selectivement des dispositifs electroluminescents (118, 126) aux fins de faciliter l'exploitation de la machine par l'usager. Des dispositifs de detection (128) adjacents a une fente du lecteur de cartes (28) menagee sur la machine permettent au controleur de detecter la presence d'un dispositif de fraude ou de lecteurs de cartes non autorises. Des dispositifs de detection (254) jouxtant un clavier (32) permettent au controleur de detecter la presence d'un dispositif manuel d'interception de donnees saisies non autorise.

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20050106 | A2 | Without international search report and to be republished upon receipt of that report. |
| Search Rpt | 20050728 | | Late publication of international search report |
| Republication | 20050728 | A3 | With international search report. |
| Republication | 20050728 | A3 | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |
| Search Rpt | 20050728 | | Late publication of international search report |
| Rev Srch Rpt | 20050901 | | Late publication of revised international search report |
| Republication | 20050901 | A3 | With international search report. |
| Republication | 20050901 | A3 | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |

| | | |
|-------------|----------|--|
| Examination | 20050909 | Request for preliminary examination prior to expiration of applicable time limit under Rule 54bis.1(a) |
|-------------|----------|--|

22/5/4 (Item 4 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

01139905

ATM CURRENCY CASSETTE ARRANGEMENT

DISPOSITIF DE CASSETTE A BILLETS DE BANQUE POUR DISTRIBUTEUR AUTOMATIQUE DE BILLETS

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 Mayfair Road, North Canton, OH 44720
US; US(Residence); US(Nationality)

Legal Representative:

- **JOCKE Ralph(agent)**
231 South Broadway, Medina, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200461787 | A2-A3 | 20040722 |
| Application | WO | 2003US41760 | | 20031230 |
| Priorities | US | 2002437636 | | 20021231 |
| | US | 2002437637 | | 20021231 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PT; RO; SE; SI; SK; TR;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-007/08 | Main |
| G06F-017/60 | |

Publication Language: English

Filing Language: English

Fulltext word count: 38105

English Abstract:

An **ATM** currency cassette (208) includes a plurality of movable cassette information indicator buttons (214). Each button can be rotated about an axis for repositioning. The buttons can be axially moved outward and inward relative to the cassette housing (210) by rotation thereof. Different axial arrangements of the buttons represent respective different characteristics of cassette content. The cassette can be inserted into an **ATM** where the button positions can be read by the **ATM**. The cassette enables unused buttons to remain therewith and also permits a button arrangement to be changed without requiring opening of the cassette.

French Abstract:

La presente invention concerne une cassette a billets de banque (208) pour distributeur automatique de billets. Elle comporte une pluralite de boutons indicateurs mobiles (214) d'information sur la cassette. Chaque bouton est capable de rotation autour d'un axe aux fins de repositionnement. Les boutons peuvent etre sortis ou rentres axialement dans le carter de cassette (210) par rotation de ce dernier. Differentes dispositions axiales des boutons representent des autant de caracteristiques differentes du contenu de la cassette. La cassette peut se placer dans un distributeur automatique de billets ou les positions des boutons peuvent etre lues par le distributeur automatique de billets. La cassette permet de conserver les boutons inutilises, mais egalement de modifier la disposition des boutons sans qu'il soit necessaire d'ouvrir la cassette.

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20040722 | A2 | Without international search report and to be republished upon receipt of that report. |
| Search Rpt | 20041125 | | Late publication of international search report |
| Republication | 20041125 | A3 | With international search report. |
| Republication | 20041125 | A3 | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |
| Examination | 20041223 | | Request for preliminary examination prior to end of 19th month from priority date |

22/5/5 (Item 5 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

01010805

AUTOMATED BANKING MACHINE CURRENCY TRACKING SYSTEM AND METHOD
SYSTEME ET PROCEDE DE DEPISTAGE DE MONNAIE POUR GUICHET AUTOMATIQUE BANCAIRE

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 Mayfair Road, North Canton, OH 44720
US; US(Residence); US(Nationality)
(For all designated states except: US)
- **GRAEF Thomas H**; BOX 287, Bolivar, OH 44612
US; US(Residence); US(Nationality)

(Designated only for: US)

- **LASKOWSKI Edward**; 6154 Winchester Drive, Seven Hills, OH 44131
US; US(Residence); US(Nationality)
(Designated only for: US)
- **BESKITT William D**; 4817 Meadowlane Drive, Canton, OH 44709
US; US(Residence); US(Nationality)
(Designated only for: US)
- **HARTY Michael**; 6265 Walnut Ridge Circle, NW, North Canton, OH 44720
US; US(Residence); US(Nationality)
(Designated only for: US)
- **EASTMAN Jeffrey**; 2152 Mohler Drive, N.W., North Canton, OH 44720
US; US(Residence); US(Nationality)
(Designated only for: US)
- **PHELPS Richard J**; 1986 Liberty Road, Stow, OH 44224
US; US(Residence); US(Nationality)
(Designated only for: US)
- **RAMACHANDRAN Natarajan**; 2424 Lyndon Drive, Uniontown, OH 44685
US; US(Residence); US(Nationality)
(Designated only for: US)

Patent Applicant/Inventor:

- **GRAEF Thomas H**
BOX 287, Bolivar, OH 44612; US; US(Residence); US(Nationality); (Designated only for: US)
- **LASKOWSKI Edward**
6154 Winchester Drive, Seven Hills, OH 44131; US; US(Residence); US(Nationality); (Designated only for: US)
- **BESKITT William D**
4817 Meadowlane Drive, Canton, OH 44709; US; US(Residence); US(Nationality); (Designated only for: US)
- **HARTY Michael**
6265 Walnut Ridge Circle, NW, North Canton, OH 44720; US; US(Residence); US(Nationality); (Designated only for: US)
- **EASTMAN Jeffrey**
2152 Mohler Drive, N.W., North Canton, OH 44720; US; US(Residence); US(Nationality); (Designated only for: US)
- **PHELPS Richard J**
1986 Liberty Road, Stow, OH 44224; US; US(Residence); US(Nationality); (Designated only for: US)
- **RAMACHANDRAN Natarajan**
2424 Lyndon Drive, Uniontown, OH 44685; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **JOCKE Ralph E(agent)**
231 South Broadway, Medina, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200340881 | A2-A3 | 20030515 |
| Application | WO | 2002US35325 | | 20021104 |
| Priorities | US | 2001338919 | | 20011105 |
| | US | 2001993070 | | 20011113 |
| | US | 2001992357 | | 20011113 |
| | US | 2002141798 | | 20020507 |
| | US | 2002141425 | | 20020507 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language: English

Fulltext word count: 22377

English Abstract:

An automated banking machine (10) includes a user interface (12) including an opening (20). Users of the machine deliver and receive individual sheets and stacks of sheets to and from the machine through the opening. Stacks of sheets may include sheets such as notes, checks or other documents. Stacks input to the machine may include mixtures of various types of sheets. The machine operates to receive notes, process checks and perform other operations. Notes received in the machine and assessed as valid may be recycled and dispensed to other users. Notes assessed by the machine as being of questionable validity may be marked with a removable mark and subjected to further analysis. Checks processed by the machine may be imaged by an imaging device, cancelled and stored in the machine or alternatively returned to a user. Documents produced by the machine such as receipts, checks or money orders as well as notes dispensed from the machine may be assembled into a stack within the machine and delivered from the machine through the opening.

French Abstract:

La presente invention concerne un guichet automatique bancaire (10) qui comprend une interface utilisateur (12) presentant une ouverture (20). Les utilisateurs de ce guichet fournissent/recoivent des feuilles individuelles et des

pires de feuilles a/du guichet, a travers l'ouverture. Les piles de feuilles peuvent comprendre des feuilles telles que des billets, des cheques ou d'autres documents. Les piles fournies au guichet peuvent comprendre des combinaisons de divers types de feuilles. Le guichet est concu pour recevoir des billets, traiter des cheques et realiser d'autres operations. Les billets recus par le guichet et identifies comme valables peuvent etre recycles et distribues a d'autres utilisateurs et les billets dont la validite est mise en doute peuvent etre marques a l'aide d'une marque pouvant etre enlevee et etre soumis a une autre analyse. Les cheques traites par le guichet peuvent etre mis en image par un dispositif d'imagerie, effaces ou stockes dans le guichet ou etre retournes a un utilisateur. Les documents produits par le guichet, tels que des recus, des cheques ou des mandats, et les billets distribues par le guichet peuvent etre reunis en une pile a l'interieur du guichet et etre distribues par le guichet a travers l'ouverture.

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20030515 | A2 | Without international search report and to be republished upon receipt of that report. |
| Search Rpt | 20050825 | | Late publication of international search report |
| Republication | 20050825 | A3 | With international search report. |
| Republication | 20050825 | A3 | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |

22/5/6 (Item 6 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00928429

SYSTEM AND METHOD FOR MATCHING CONSUMERS WITH PRODUCTS

SYSTEME ET PROCEDE POUR APPARIER LES CONSOMMATEURS AUX PRODUITS

Patent Applicant/Patent Assignee:

- **PERSONAL GENIE INC**; Suite 404, 225 Crossroads Boulevard, Carmel, CA 93923
US; US(Residence); US(Nationality)

Legal Representative:

- **JOSEPHSON Daryl C(et al)(agent)**
Squire, Sanders & Dempsey L.L.P., 600 Hansen Way, Palo Alto, CA 94304-1043; US;

| | Country | Number | Kind | Date |
|-------------|---------|------------|------|----------|
| Patent | WO | 200261658 | A2 | 20020808 |
| Application | WO | 2002US3028 | | 20020130 |
| Priorities | US | 2001265260 | | 20010130 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language: English

Fulltext word count: 19089

English Abstract:

French Abstract:

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20020808 | A2 | With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority. |
| Correction | 20030130 | | Corrected version of Pamphlet: |
| Republication | 20030130 | A2 | With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority. |

22/5/7 (Item 7 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00893471

**AUTOMATED TRANSACTION MACHINE WITH SHEET ACCUMULATOR AND PRESENTER
MECHANISM**

**MACHINE POUR TRANSACTIONS AUTOMATISEES A ACCUMULATEUR DE FEUILLES ET
MECANISME DE PRESENTATION**

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 Mayfair Road, North Canton, OH 44720
US; US(Residence); US(Nationality)

Legal Representative:

- **JOCKE Ralph(agent)**
231 South Broaway, Medina, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|------|----------|
| Patent | WO | 200227626 | A1 | 20020404 |
| Application | WO | 2001US30805 | | 20010927 |
| Priorities | US | 2000236489 | | 20000929 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |
| G06K-005/00 | |

Publication Language: English

Filing Language: English

Fulltext word count: 37107

English Abstract:

An **automated transaction machine** (600) includes a note receiving storage and dispensing mechanism (624). The mechanism (624) includes a stacker mechanism (654). The stacker mechanism collects in a stack notes such as currency bills that are to be dispensed from the machine to a user, and the stack is then presented to the user from the machine. The stacker mechanism includes a stack support member (668), a flexible member (692) and spaced supports (694). Notes are engaged in supporting connection with the stack support member as the stack support member is rotated in a first rotational direction. After the stack is accumulated, rotation of the stack support member in an opposed rotational direction delivers the stack from the stacker mechanism.

French Abstract:

La présente invention concerne une machine pour transactions automatisées (600) équipée d'un stockage à billets et d'un mécanisme distributeur (624). Ce mécanisme distributeur (624) comporte un enlisseur (654) qui met en liasse les billets de banque à faire remettre à un utilisateur par la machine. L'enlisseur est constitué d'un élément support de liasse (668), d'un élément souple (692) et de supports discrets (694). Les billets sont amenés en relation de support avec l'élément support de liasse au fur et à mesure de la rotation de l'élément support dans un premier sens de rotation. Une fois que la liasse est constituée, la rotation en sens inverse de l'élément support de liasse permet la remise de la liasse depuis l'enlisseur.

| Type | Pub. Date | Kind | Text |
|-------------|-----------|------|---|
| Publication | 20020404 | A1 | With international search report. |
| | | | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt |

of amendments.

| | | | |
|-------------|----------|----|---|
| | | | |
| Publication | 20020404 | A1 | |
| Examination | 20021017 | | Request for preliminary examination prior to end of 19th month from priority date |

22/5/8 (Item 8 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00568297

AUTOMATED TRANSACTION MACHINE

MACHINE DE TRANSACTION AUTOMATIQUE

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED;**

;;

| | Country | Number | Kind | Date |
|-------------|---------|-----------|------|----------|
| Patent | WO | 200031670 | A1 | 20000602 |
| Application | WO | 99US27194 | | 19991115 |
| Priorities | US | 98109590 | | 19981123 |
| | US | 99313480 | | 19990517 |
| | US | 99313025 | | 19990517 |
| | US | 99313020 | | 19990517 |
| | US | 99313023 | | 19990517 |
| | US | 99313024 | | 19990517 |
| | US | 99313021 | | 19990517 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)**Main International Patent Classes (Version 7):**

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language:

Fulltext word count: 26458

English Abstract:

An **automated transaction machine** (10) includes a note receiving and dispensing mechanism (77). The mechanism includes a storage reel (66), a take-up reel (68) and a flexible web (70) extending between the reels. The note receiving and dispensing mechanism is housed within a note storage module (44). Notes are selectively passed into and out of the storage module to a passage area (92). The machine further includes a note inlet opening (30) and a note outlet opening (28). A note outlet transport (96) extends between the passage area and the note outlet opening. A note inlet transport (98) extends between the passage area and the note inlet opening. A note validator (58) extends adjacent to the note inlet transport for purposes of sensing the validity of notes inserted in the machine. The machine is selectively operative responsive to inputs to receive and deliver notes. The machine is further operative to enable replenishment of notes therein without accessing the interior of the housing.

French Abstract:

Une machine (10) de transaction automatique est equipee d'un mecanisme (77) de reception et de distribution de billets. Le mecanisme comprend un tambour (66) de stockage, un tambour (68) recepteur et une bande souple (70) qui s'etend entre les tambours. Le mecanisme de reception et de distribution des billets est loge dans un module (44) de stockage des billets. Les billets sont selectivement introduits et sortis du module de stockage en direction d'une zone (92) de passage. La machine comprend en outre une ouverture (30) d'entree des billets et une ouverture (28) de sortie des billets. Un dispositif (96) de transport des billets qui sortent s'etend entre la zone de passage et l'ouverture (28) de sortie des billets. Un dispositif (98) de transport des billets qui entrent s'etend entre la zone de passage et

l'ouverture d'entree des billets. Un dispositif (58) de validation des billets est situe juste a cote du dispositif de transport des billets qui entrent pour verifier la validite des billets introduits dans la machine. La machine repond selectivement aux entrees pour recevoir et distribuer des billets. La machine est egalement capable de permettre le reapprovisionnement en billets sans qu'il y ait besoin d'acceder a l'interieur de l'enceinte.

22/5/9 (Item 9 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00497494

**AUTOMATED BANKING MACHINE WITH SELF AUDITING CAPABILITIES AND SYSTEM
GUICHET AUTOMATIQUE BANCAIRE AVEC CAPACITE ET SYSTEME D'AUTO-SURVEILLANCE**

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED;**

;;

| | Country | Number | Kind | Date |
|-------------|---------|-----------|------|----------|
| Patent | WO | 9928846 | A1 | 19990610 |
| Application | WO | 98US24821 | | 19981119 |
| Priorities | US | 9767298 | | 19971128 |
| | US | 9894314 | | 19980727 |
| | US | 98193016 | | 19981117 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

| IPC | Level |
|--------------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language:

Fulltext word count: 28863

English Abstract:

An automated banking machine (10) identifies and stores in storage areas documents such as currency bills deposited by a user. The machine selectively recovers such documents from storage areas and dispenses them. The machine includes a central transport (70) wherein documents deposited in a stack are unstacked, oriented and identified. Such documents are then routed to storage areas in canisters (92, 94, 96, 98). Documents in the storage areas are selectively picked therefrom and delivered to a user through an input/output area (50) of the machine. Each canister includes a memory (626) which holds information concerning the number and type of documents housed in the canister as well as other information concerning the hardware and software resident on the canister. The memory also includes data representative of individuals responsible for loading and transporting the canister. The machine

conducts self-auditing activities to verify that the documents held in the storage areas correspond to the information stored in memory and indicate discrepancies.

French Abstract:

Cette invention concerne un guichet automatiques bancaire (10) (GAB) capable d'identifier et de stocker des documents tels que des billets de banque deposees par un utilisateur. L'appareil destocke ensuite selectivement de tels documents et les redistribue a d'autres utilisateurs. Il comprend une bloc de transport central (70) dans lequel les documents empiles sont depiles, orientes dans le bon sens et identifies. Ces documents sont ensuite achemines vers des zones d'entreposage dans des compartiments de recirculation (92, 94, 96, 98). Les documents stockes dans les zones d'entreposage sont ensuite saisis selectivement et remis a l'utilisateur par la zone (50) d'alimentation/distribution de l'appareil. Chaque compartiment comporte une memoire (626) qui renferme des informations sur le materiel et le logiciel residant dans ce compartiment. La memoire contient egalement des donnees sur les personnes responsables du chargement et du transport de ce compartiment. Le guichet s'acquitte d'activites d'auto-surveillance consistant a garantir que les documents conserves dans les zones de stockage sont conformes aux informations en memoire et a reveler tout ecart.

22/5/10 (Item 10 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00496872

AUTOMATED BANKING MACHINE WITH CURRENCY RECYCLING CANISTERS

APPAREIL BANCAIRE AUTOMATISE AVEC RECIRCULATION DES BILLETS DE BANQUE

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED;**

;;

| | Country | Number | Kind | Date |
|-------------|---------|-----------|------|----------|
| Patent | WO | 9928224 | A1 | 19990610 |
| Application | WO | 98US24675 | | 19981119 |
| Priorities | US | 9767319 | | 19971128 |
| | US | 98193636 | | 19981117 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| B65H-003/04 | Main |
| B65H-005/22 | |
| G06F-017/60 | |

| | |
|-------------|--|
| B07C-005/00 | |
|-------------|--|

Publication Language: English

Filing Language:

Fulltext word count: 26525

English Abstract:

An automated banking machine (10) identifies and stores documents such as currency bills deposited by a user. The machine then selectively recovers such documents from storage and dispenses them to other users. The machine includes a central transport (70) wherein documents deposited in a stack are unstacked, oriented and identified. Such documents are then routed to storage areas in recycling canisters (92, 94, 96, 98). When a user subsequently requests a dispense, documents stored in the storage areas are selectively picked therefrom and delivered to the user through an input/output area (50) of the machine.

French Abstract:

Cette invention concerne un appareil (10) bancaire automatisé capable d'identifier et de stocker des documents tels que des billets de banque déposés par un utilisateur. L'appareil destocke ensuite selectivement lesdits documents et les redistribue à d'autres utilisateurs. Il comprend une centrale (70) d'acheminement dans laquelle les documents empilés sont dépilés, orientés dans le bon sens et identifiés. Ces documents sont ensuite ventilés vers des zones d'entreposage dans des compartiments de recirculation (92, 94, 96, 98). Lorsqu'un utilisateur demande ultérieurement une remise de documents, les documents stockés dans les zones d'entreposage sont prélevés selectivement et remis à l'utilisateur par une zone (50) d'alimentation/distribution de l'appareil.

22/5/11 (Item 11 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00496704

CURRENCY RECYCLING AUTOMATED BANKING MACHINE

GUICHET AUTOMATIQUE BANCAIRE A RECYCLAGE DES BILLETS USAGES

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED;**

;;

| | Country | Number | Kind | Date |
|-------------|---------|-----------|------|----------|
| Patent | WO | 9928056 | A1 | 19990610 |
| Application | WO | 98US24735 | | 19981119 |
| Priorities | US | 9767319 | | 19971128 |
| | US | 98193530 | | 19981117 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| B07C-005/00 | Main |
| B65H-003/04 | |
| B65H-005/22 | |
| G06F-017/60 | |

Publication Language: English

Filing Language:

Fulltext word count: 25905

English Abstract:

An **automated banking machine** (10) identifies and stores documents such as currency bills deposited by a user. The machine then selectively recovers such documents from storage and dispenses them to other users. The machine includes a central transport (70) wherein documents deposited in a stack are unstacked, oriented and identified. Such documents are then routed to storage areas in recycling canisters (92, 94, 96, 98). When a user subsequently requests a dispense, documents stored in the storage areas are selectively picked therefrom and delivered to the user through an input/output area (50) of the machine.

French Abstract:

Cette invention concerne un guichet automatique bancaire (10) capable d'identifier et de stocker des documents tels que des billets de banque déposés par un utilisateur. L'appareil destocke ensuite sélectivement de tels documents et les redistribue à d'autres utilisateurs. Il comprend un dispositif central d'acheminement (70) dans lequel les documents empilés sont dépilés, orientés dans le bon sens et identifiés. Ces documents sont ensuite envoyés vers des zones d'entreposage dans des compartiments de recyclage (92, 94, 96, 98). Lorsqu'un utilisateur demande ultérieurement une remise de documents, les documents stockés dans les zones d'entreposage sont saisis sélectivement et remis à l'utilisateur par l'intermédiaire de la zone d'alimentation/distribution (50) de l'appareil.

```

; d s
Set  Items  Description
S1      0    S AU=(HANEY, S?OR HANEY S? OR HANEY(1N)(S OR SEAN))
S2      0    S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N)(J OR JEFFERY))
S3      0    S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N)(J OR JEFFERY))
S4      0    S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N)(F OR FRANKLIN))
S5      0    S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N)(R OR MATTHEW))
S6      0    S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N)(W OR WILLIAM))
S7      0    S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N)(C OR COLIN))
S8      0    S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N)(E OR EDWARD))
S9      0    S AU=(RYAN, M? OR RYAN M? OR RYAN(1N)(M OR MIKE))
S10     0    S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N)(B OR BILL))
S11     0    S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N)(D OR DAVID))
S12     0    S AU=(FORCE, M? OR FORCE M? OR FORCE(1N)(M OR MATTHEW))
S13     137  S ((AUTOMATED OR AUTOMATIC)(W)(TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?)(W)(MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S14     691  S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ?

```

[File 2] **INSPEC 1898-2007/Jun W4**
(c) 2007 Institution of Electrical Engineers. All rights reserved.

[File 35] **Dissertation Abs Online 1861-2007/Jun**
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 65] **Inside Conferences 1993-2007/Jul 13**
(c) 2007 BLDSC all rts. reserv. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs 1983-2007/Jun**
(c) 2007 The HW Wilson Co. All rights reserved.

[File 474] **New York Times Abs 1969-2007/Jul 13**
(c) 2007 The New York Times. All rights reserved.

[File 256] **TecInfoSource 82-2007/Jul**
(c) 2007 Info.Sources Inc. All rights reserved.

[File 475] **Wall Street Journal Abs 1973-2007/Jul 13**
(c) 2007 The New York Times. All rights reserved.

[File 583] **Gale Group Globalbase(TM) 1986-2002/Dec 13**
(c) 2002 The Gale Group. All rights reserved.

**File 583: This file is no longer updating as of 12-13-2002.*

; d s

| Set | Items | Description |
|-----|--------|---|
| S1 | 0 | S AU=(HANEY, S? OR HANEY S? OR HANEY(1N) (S OR SEAN)) |
| S2 | 65 | S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N) (J OR JEFFERY)) |
| S3 | 414 | S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N) (J OR JEFFERY)) |
| S4 | 2 | S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N) (F OR FRANKLIN)) |
| S5 | 348 | S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N) (R OR MATTHEW)) |
| S6 | 0 | S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N) (W OR WILLIAM)) |
| S7 | 201 | S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N) (C OR COLIN)) |
| S8 | 135 | S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N) (E OR EDWARD)) |
| S9 | 1348 | S AU=(RYAN, M? OR RYAN M? OR RYAN(1N) (M OR MIKE)) |
| S10 | 39 | S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N) (B OR BILL)) |
| S11 | 777 | S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N) (D OR DAVID)) |
| S12 | 4 | S AU=(FORCE, M? OR FORCE M? OR FORCE(1N) (M OR MATTHEW)) |
| S13 | 58795 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC())TELLER? ? OR ATM OR ATMS |
| S14 | 145252 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? |
| S15 | 0 | S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8 AND S9 AND S10 AND S11 AND S12 |
| S16 | 3333 | S S1 OR S2 OR S3 OR S4 OR S5 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 |
| S17 | 3 | S S16 AND S13 |
| S18 | 3 | RD (unique items) |

18/5/1 (Item 1 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

04889788 INSPEC Abstract Number: A91066284, B91039797

Title: Van der Lugt optical correlation for the measurement of leak rates of hermetically sealed packages

Author Fitzpatrick, C.; Mueller, E.

Author Affiliation: Electro Optic Consulting Services, Fountain Valley, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1332, pt.1 p. 185-92

Publication Date: 1990 **Country of Publication:** USA

CODEN: PSISDG **ISSN:** 0277-786X

U.S. Copyright Clearance Center Code: 0-8194-0393-8/90/\$2.00

Conference Title: Optical Testing and Metrology III: Recent Advances in Industrial Optical Inspection

Conference Sponsor: SPIE

Conference Date: 8-13 July 1990 **Conference Location:** San Diego, CA, USA

Language: English **Document Type:** Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: Van der Lugt optical correlation, involving Fourier transform holography, has been shown to be successful in detecting and accurately measuring leak rates in hermetically sealed packages in the range of 10^{-1} to 10^{-6} atm cc/sec. The technique depends on the measurement of the relaxation time of sealed packages under vacuum conditions, from which leak rates can be calculated. (5 Refs)

Subfile: A B

Descriptors: Fourier transform optics; holography; leak detection; optical correlation; packaging; seals (stoppers); vacuum techniques

Identifiers: package leak rate measurement; package relaxation time measurement; Van der Lugt optical correlation; hermetically sealed packages; Fourier transform holography; vacuum conditions

Class Codes: A4240M (Applications); A4230K (Fourier transform optics); A0730G (Vacuum apparatus and testing methods); B4350 (Holography); B6140C (Optical information and image processing); B0170E (Production facilities and engineering)

18/5/2 (Item 2 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

02825586 INSPEC Abstract Number: A82032508

Title: The glass transition in basalt

Author Ryan, M.P.; Sammis, C.G.

Author Affiliation: Dept. of Geosci., Pennsylvania State Univ., University Park, PA, USA

Journal: Journal of Geophysical Research vol.86, no.B10 p. 9519-35

Publication Date: 10 Oct. 1981 **Country of Publication:** USA

CODEN: JGREA2 **ISSN:** 0148-0227

Language: English **Document Type:** Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The glass transition has been experimentally detected in basalt as an increase in the aggregate linear thermal expansion coefficient α , an abrupt change in the temperature dependence of Young's modulus dE/dT , and a change in stress relaxation behavior that effectively separates the $T > T_g$ and $T < T_g$ creep regimes. Transition temperatures determined by the respective experimental methods are 730 degrees \pm 15 degrees C by expansion dilatometry, 725 degrees \pm 10 degrees C, by acoustic spectroscopy, and 725 degrees \pm 25 degrees C, by stress relaxation. For olivine tholeiite from Kilauea Iki lava lake Hawaii, thermal expansivity rises through the glass transition interval, attaining $\alpha = 39.0 \times 10^{-6}$ degrees C⁻¹ at 850 degrees C. For olivine tholeiites with moderate glass contents, the temperature dependence of the Young's modulus changes on either side of the inferred T_g of 725 degrees C, and $dE/dT = -0.071$ kbar degrees C⁻¹ for $T < T_g$, while $dE/dT = -0.21$ kbar degrees C⁻¹ for $T > T_g$. Collectively, the mechanical results suggest that for Hawaiian olivine tholeiite at 1-atm pressure, the principal material responses are elastic ($T \leq 600$ degrees C), reduced creep ($600 < T < 725$ degrees C), glass transition ($T \approx 725$ degrees C), enhanced creep ($725 < T < 980$ degrees C), and partial melt ($T > 980$ degrees C). (81 Refs)

Subfile: A

Descriptors: glass transition (glasses); rocks

Identifiers: glass transition temperature; elastic deformation regime; Young's modulus temperature dependence; solid state phase transformation; rock mechanics; glass transition; basalt; aggregate linear thermal expansion coefficient; stress relaxation; creep regimes; expansion dilatometry; acoustic spectroscopy; olivine tholeiite; Kilauea Iki lava lake; Hawaii; reduced creep; enhanced creep; partial melt

Class Codes: A9160B (Elasticity, fracture and flow); A9160H (Phase changes); A9160K (Thermal properties); A9165 (Geophysical aspects of geology, mineralogy and petrology)

18/5/3 (Item 1 from file: 65) [Links](#)

Inside Conferences

(c) 2007 BLDSC all rts. reserv. All rights reserved.

05210188 **Inside Conference Item ID:** CN054219306

ATM targets the KAP-1/TIF1beta protein in response to DNA double strand breaks

Ziv, Y.; Bielopolski, D.; Galanty, Y.; Taya, Y.; Schultz, D. C.; Shiloh, Y.

Conference: Cancer genetics & tumor suppressor genes - Meeting

ABSTRACTS, CONF 2004 P: 242

Cold Spring Harbor Laboratory,, 2004

Language: English **Document Type:** Conference Abstracts and programme

Location: Cold Spring Harbor, NY

2004; Aug (200408) (200408)

British Library Item Location: 0566.578592

Descriptors: Cancer genetics; Tumor suppressor genes

[File 6] NTIS 1964-2007/Jul W3

(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 8] Ei Compendex(R) 1884-2007/Jul W1

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] SciSearch(R) Cited Ref Sci 1990-2007/Jul W3

(c) 2007 The Thomson Corp. All rights reserved.

[File 139] EconLit 1969-2007/Jun

(c) 2007 American Economic Association. All rights reserved.

[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 485] Accounting & Tax DB 1971-2007/Jul W2

(c) 2007 ProQuest Info&Learning. All rights reserved.

; d s

| Set | Items | Description |
|-----|--------|--|
| S1 | 0 | S AU=(HANEY, S? OR HANEY S? OR HANEY(1N) (S OR SEAN)) |
| S2 | 99 | S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N) (J OR JEFFERY)) |
| S3 | 509 | S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N) (J OR JEFFERY)) |
| S4 | 12 | S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N) (F OR FRANKLIN)) |
| S5 | 723 | S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N) (R OR MATTHEW)) |
| S6 | 0 | S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N) (W OR WILLIAM)) |
| S7 | 263 | S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N) (C OR COLIN)) |
| S8 | 182 | S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N) (E OR EDWARD)) |
| S9 | 3422 | S AU=(RYAN, M? OR RYAN M? OR RYAN(1N) (M OR MIKE)) |
| S10 | 46 | S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N) (B OR BILL)) |
| S11 | 1591 | S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N) (D OR DAVID)) |
| S12 | 47 | S AU=(FORCE, M? OR FORCE M? OR FORCE(1N) (M OR MATTHEW)) |
| S13 | 54498 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR ATMS |
| S14 | 248879 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? |
| S15 | 0 | S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8 AND S9 AND S10 AND S11 AND S12 |
| S16 | 6893 | S S1 OR S2 OR S3 OR S4 OR S5 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 |
| S17 | 4 | S S16 AND S13 |
| S18 | 4 | RD (unique items) |

18/5/1 (Item 1 from file: 8) [Links](#)

Fulltext available through: [ScienceDirect](#)

Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

06094030 E.I. Monthly No: EIM9107-033569

Title: Van der Lugt optical correlation for the measurement of leak rates of hermetically sealed packages.

Author: Fitzpatrick, Colleen; Mueller, Ed

Corporate Source: Electro Optic Consulting Services, Fountain Valley, Ca, USA

Conference Title: Optical Testing and Metrology III: Recent Advances in Industrial Optical Inspection

Conference Location: San Diego, CA, USA **Conference Date:** 19900708

Sponsor: SPIE

E.I. Conference No.: 14586

Source: Proceedings of SPIE - The International Society for Optical Engineering v 1332 pt 1. Publ by Int Soc for Optical Engineering, Bellingham, WA, USA. p 185-192

Publication Year: 1990

CODEN: PSISDG **ISSN:** 0277-786X

Language: English

Document Type: PA; (Conference Paper) **Treatment:** A; (Applications)

Journal Announcement: 9107

Abstract: Van der Lugt optical correlation, involving Fourier transform holography, has been shown to be successful in detecting and accurately measuring leak rates in hermetically sealed packages in the range of 10^{**1} to 10^{**6} atm cc/sec. The technique depends on the measurement of the relaxation time of sealed packages under vacuum conditions, from which leak rates can be calculated. This technique has the advantage over conventional leak testing, in that it requires no backfilling with tracer gas, and therefore is more cost effective and faster. Also, packages such as pacemakers can be examined at the end of the manufacturing process, after the polymer neck has been inserted, eliminating any absorption of the helium or radioactive tracer gas that normally reduces the accuracy of conventional methods. Furthermore, this new technique can be used to rapidly test packages with large internal free volumes, in that it requires only a small differential pressure across the walls of the package, and avoids measurements depending on slowly changing internal helium or tracer gas concentrations. A comparison will be made between this HNDDT technique and other leak testing methods commonly used in the packaging industry, in terms of cost and time factors, and range of accuracy. (Author abstract)

Descriptors: *HOLOGRAPHY--*Industrial Applications; SEALS--Inspection; PACKAGING-- Inspection

Identifiers: FOURIER TRANSFORM HOLOGRAPHY; VAN DER LUGT OPTICAL CORRELATION; LEAK TESTING METHODS; LEAK RATES OF HERMETICALLY SEALED PACKAGES; HOLOGRAPHIC NONDESTRUCTIVE TESTING

Classification Codes:

743 (Holography); 619 (Pipes, Tanks & Accessories); 694 (Packaging & Storing)

74 (OPTICAL TECHNOLOGY); 61 (PLANT & POWER ENGINEERING); 69 (MATERIALS HANDLING)

18/5/2 (Item 2 from file: 8) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

04037294 E.I. Monthly No: EI8108062791 E.I. Yearly No: EI81003346

Title: HEAT TRANSFER RATE AND FILM COOLING EFFECTIVENESS MEASUREMENTS IN A

TRANSIENT CASCADE.

Author: Schultz, D. L.; Oldfield, M. L. G.; Jones, T. V.

Corporate Source: Univ of Oxford, Engl

Source: AGARD Conference Proceedings n 281, Test and Meas Tech in Heat Transfer and Combust, Pap Presented at 55th(A) Spec Meet of AGARD Propul and Energ Panel, Brussels, Belg, May 5-7 1980. Publ by AGARD, 1980.

Available from NTIS p 8. 1-8. 9

Publication Year: 1980

CODEN: AGCPAV **ISSN:** 0549-7191

Language: ENGLISH

Journal Announcement: 8108

Abstract: A transient cascade especially useful for heat transfer rate measurements is briefly described. The facility employs a free piston which compresses the test gas to temperatures around 450 K and pressures of about 3.5 -- 7.5 Atm. The model is initially at room temperature and it is necessary to attain the correct gas-to-wall temperature ratio. The exit Mach number is set by the inlet total pressure and the pressure in the exit dump tank. Thin film heat transfer gages are used for the measurement of heat transfer rate, deposited on machineable glass ceramic blades. The inherently fast response of these transducers makes them useful for the investigation of boundary layer transition on blade surfaces. Some typical results are included. 12 refs.

Descriptors: *AIRCRAFT ENGINES, JET AND TURBINE--*Cascades; HEAT TRANSFER

Classification Codes:

653 (Aircraft Engines); 641 (Heat & Thermodynamics)

65 (AEROSPACE ENGINEERING); 64 (HEAT & THERMODYNAMICS)

18/5/3 (Item 3 from file: 8) [Links](#)

Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

0001344755 E.I. No: 19680050055

Title: Attitude control and precision pointing of Apollo telescope mount

Author: Chubb, W.B.; Schultz, D.N.; Seltzer, S.M.

Source: Journal of Spacecraft and Rockets v 5 n 8 Aug 1968 (New York, NY United States), p 896-903

Publication Year: 1968

Language: English

Document Type: JA; (Journal Article)

Abstract: Requirement of Apollo Telescope Mount (ATM) is accurate pointing of experiment package containing complement of solar experiments to acquire data on solar phenomenon; vehicle with ATM will be placed in 485-km circular orbit to give experimenter atmosphere-free environment for solar observation; development of vehicle attitude control system, experiment-pointing system, and roll-positioning mechanism; first system uses three 2 degree-of-freedom control moment gyroscopes to supply control torques about three orthogonal vehicle axes; second system consists of two-axis gimbal trim system providing pitch and yaw positioning and control; roll-positioning mechanism can be driven and locked to any position over required roll offset range. (6 Refs.)

Descriptors: *Space vehicles; Control

18/5/4 (Item 1 from file: 34) [Links](#)

Fulltext available through: [Nature American, Inc. \(Publisher Group\)](#) [USPTO Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

(c) 2007 The Thomson Corp. All rights reserved.

15404717 **Genuine Article#:** 069CO **Number of References:** 39

Chromatin relaxation in response to DNA double-strand breaks is modulated by a novel ATM and KAP-1 dependent pathway

Author: Ziv Y (REPRINT) ; Bielopolski D; Galanty Y; Lukas C; Taya Y; **Schultz DC**; Lukas J; Bekker-Jensen S; Bartek J; Shiloh Y

Corporate Source: Tel Aviv Univ,Sackler Sch Med, David & Inez Myers Lab Genet Res, Dept Mol Genet & Biochem,IL-69978 Tel Aviv//Israel/ (REPRINT); Tel Aviv Univ,Sackler Sch Med, David & Inez Myers Lab Genet Res, Dept Mol Genet & Biochem,IL-69978 Tel Aviv//Israel/; Ctr Genotox Stress Res,DK-2100 Copenhagen//Denmark/; Danish Canc Soc,Inst Canc Biol,DK-2100 Copenhagen//Denmark/; Natl Canc Ctr,Res Inst, Div Radiobiol, Chuo Ku,Tokyo 1040045//Japan/; Case Western Reserve Univ,Dept Pharmacol,Cleveland//OH/44106 (yaelz@post.tau.ac.il; yossih@post.tau.ac.il)

Journal: NATURE CELL BIOLOGY , 2006 , V 8 , N8 (AUG) , P 870-U142

ISSN: 1465-7392 **Publication date:** 20060800

Publisher: NATURE PUBLISHING GROUP , MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Language: English **Document Type:** ARTICLE

Geographic Location: Israel; Denmark; Japan; USA

Journal Subject Category: CELL BIOLOGY

Abstract: The cellular DNA-damage response is a signaling network that is vigorously activated by cytotoxic DNA lesions, such as double-strand breaks (DSBs) 1. The DSB response is mobilized by the nuclear protein kinase **ATM**, which modulates this process by phosphorylating key players in these pathways(2). A long-standing question in this field is whether DSB formation affects chromatin condensation. Here, we show that DSB formation is followed by **ATM**-dependent chromatin relaxation. **ATM**'s effector in this pathway is the protein KRAB-associated protein (KAP-1, also known as TIF1 beta, KRIP-1 or TRIM28), previously known as a corepressor of gene transcription(3,4). In response to DSB induction, KAP-1 is phosphorylated in an **ATM**-dependent manner on Ser 824. KAP-1 is phosphorylated exclusively at the damage sites, from which phosphorylated KAP-1 spreads rapidly throughout the chromatin. Ablation of the phosphorylation site of KAP- 1 leads to loss of DSB-induced chromatin decondensation and renders the cells hypersensitive to DSB-inducing agents. Knocking down KAP-1, or mimicking a constitutive phosphorylation of this protein, leads to constitutive chromatin relaxation. These results suggest that chromatin relaxation is a fundamental pathway in the DNA-damage response and identify its primary mediators.

Identifiers-- KeyWord Plus(R): ZINC-FINGER PROTEINS; CELLULAR-RESPONSE; REPRESSOR DOMAIN; IN-VIVO; DAMAGE; TRANSCRIPTION; COREPRESSOR; GENOME; REPAIR; CELLS

[File 15] **ABI/Inform(R)** 1971-2007/Jul 13
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 16] **Gale Group PROMT(R)** 1990-2007/Jul 12
(c) 2007 The Gale Group. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Jul 10
(c)2007 The Gale Group. All rights reserved.
**File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.*

[File 160] **Gale Group PROMT(R)** 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jul 10
(c) 2007 The Gale Group. All rights reserved.

[File 621] **Gale Group New Prod.Annou.(R)** 1985-2007/Jul 10
(c) 2007 The Gale Group. All rights reserved.

[File 9] **Business & Industry(R)** Jul/1994-2007/Jul 09
(c) 2007 The Gale Group. All rights reserved.

[File 20] **Dialog Global Reporter** 1997-2007/Jul 13
(c) 2007 Dialog. All rights reserved.

[File 476] **Financial Times Fulltext** 1982-2007/Jul 13
(c) 2007 Financial Times Ltd. All rights reserved.

[File 610] **Business Wire** 1999-2007/Jul 13
(c) 2007 Business Wire. All rights reserved.
**File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 613] **PR Newswire** 1999-2007/Jul 13
(c) 2007 PR Newswire Association Inc. All rights reserved.
**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 624] **McGraw-Hill Publications** 1985-2007/Jul 13
(c) 2007 McGraw-Hill Co. Inc. All rights reserved.
**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Jul 12
(c) 2007 The Gale Group. All rights reserved.

[File 634] **San Jose Mercury** Jun 1985-2007/Jul 10
(c) 2007 San Jose Mercury News. All rights reserved.

[File 810] **Business Wire** 1986-1999/Feb 28
(c) 1999 Business Wire . All rights reserved.

[File 813] PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc. All rights reserved.

```
; d s
Set      Items  Description
S1        0     S AU=(HANEY, S?OR HANEY S? OR HANEY(1N) (S OR SEAN))
S2        22     S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N) (J OR JEFFERY))
S3        54     S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N) (J OR JEFFERY))
S4         0     S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N) (F OR FRANKLIN))
S5        20     S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N) (R OR MATTHEW))
S6         0     S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N) (W OR WILLIAM))
S7        42     S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N) (C OR COLIN))
S8         1     S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N) (E OR EDWARD))
S9       1782     S AU=(RYAN, M? OR RYAN M? OR RYAN(1N) (M OR MIKE))
S10        14     S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N) (B OR BILL))
S11       504     S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N) (D OR DAVID))
S12        23     S AU=(FORCE, M? OR FORCE M? OR FORCE(1N) (M OR MATTHEW))
S13    660293     S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S14    1687746     S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ?
S15         0     S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8 AND S9 AND S10 AND S11 AND
S12
S16     2462     S S1 OR S2 OR S3 OR S4 OR S5 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12
S17        16     S S16 AND S13
S18        14     RD (unique items)
```

18/3,K/1 (Item 1 from file: 15) [Links](#)

ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rights reserved.

03237415 1291379161

THE STRATEGIC IMPLICATIONS OF TECHNOLOGY ON JOB LOSS

Collins, David T; **Ryan, Mike H**

Academy of Strategic Management Journal v6 pp: 27-46

2007

ISSN: 1544-1458 Journal Code: CSMJ

Word Count: 7110

...**Ryan, Mike H**

Text:

...the telegraph had a similar effect on pony express riders.

Technology supplanting individuals, as in **ATMs**, airline kiosks, automated ordering systems, self checkouts, etc., reduces overhead and improves productivity but also...

...relative costs, and increase controllability over their costs, by shifting from employee-staffed branches to **ATMs**. This can improve operational efficiency and result in lower (or fewer increases) in customer service...service businesses, including financial institutions. Convenience as provided by precursor technologies such as bank's **ATM** experiences should also have prompted an awareness that customers would expect additional services sooner rather...

...transformed the way banking is done; with obvious effects on labor demand. The explosion of **ATM** transactions is often cited as a primary reason for banking's dwindling payrolls. Even the name - **automated teller machine** - suggests the substitution use.

The most visible effect of **ATMs** has been to transform the multitude of fully staffed branch offices that existed in the...

...staffed branch located in grocery stores and other venues. Although a visible sign of technology, **ATMs** are not the only example. Less obvious examples may be more accurate computer models of...

18/3,K/2 (Item 2 from file: 15) [Links](#)

ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rights reserved.

01269807 99-19203

Transforming duds into dudes

Ryan, Mike Jr

Cellular Business v13n5 pp: 18
May 1996
ISSN: 0741-6520 Journal Code: CLB
Word Count: 928
Ryan, Mike Jr
Text:

...Neatness means a weekly, if not daily, ritual of trashing those fast food wrappers and **ATM** receipts lying on the floor boards of your vehicle and concealing all but pertinent office...

18/3,K/3 (Item 3 from file: 15) Links
ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rights reserved.
01091591 97-40985
Models help writers produce publishable releases

Ryan, Michael
Public Relations Quarterly v40n2 pp: 25-27
Summer 1995
ISSN: 0033-3700 Journal Code: PRQ
Word Count: 1725
Ryan, Michael
Text:

...the release is about. The second paragraph, then, is something like:

The machines are like **automatic teller machines**, except they issue boarding passes and receipts, not cash. The customer inserts a credit card...

18/3,K/4 (Item 1 from file: 16) Links
Gale Group PROMT(R)
(c) 2007 The Gale Group. All rights reserved.
10089086 **Supplier Number: 87425948 (USE FORMAT 7 FOR FULLTEXT)**

Interactive psychographics: Cross-selling in the Banking Industry.
Peltier, James W.; Schibrowsky, John A.; **Schultz, Don E.**; Davis, John
Journal of Advertising Research , v 42 , n 2 , p 7(16)
March , 2002
Language: English **Record Type:** Fulltext
Document Type: Magazine/Journal; Refereed ; Trade
Word Count: 9941
Peltier, James W.; Schibrowsky, John A.; **Schultz, Don E.**; Davis, John

...Traditionalist," and that they are less likely to be profitable since they don't use **ATMs**, have only a few accounts, prefer coming into the branch to do their banking, or...o I'd never consider an account at a bank that doesn't have an **ATM**.

o A long-term relationship with a bank is more important than price.

o All...24 .04 .25

Premium Card .09 .22 .30 .17

DM Response .13 .15 .27 .09

ATM

Uses 4.2 4.2 1.5 4.9

Bank card .62 .70 .81 .78...

...175.02 .000

Premium Card .18 129.90 .000

DM Response .15 101.41 .000

ATM Uses 3.8 99.65 .000

Bank card .72 93.25 .000

Income 39.0...

...36

Credit Card Balance 372 423 177

Credit Card Profit 1.18 1.75 .19

ATM

.53 .49 .36

Altnbr 16.8 16.3 7.4

Fsnbr 9.0 7.7...

...523 387 22.73 .000

Credit Card Profit 1.74 1.26 16.19 .000

ATM .54 .49 62.09 .000

Altnbr 19.6 15.6 132.57 .000

Fsnbr 9...

18/3,K/5 (Item 2 from file: 16) **Links**

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

08398371 **Supplier Number: 70910188 (USE FORMAT 7 FOR FULLTEXT)**

AmEx Charges Ahead - Venerable financial colossus American Express has a hit on its hands with the Blue card. But that's just the beginning of what it wants to achieve on the Web.(Company Business and Marketing)

Ryan, Michael

Ziff Davis Smart Business for the New Economy , p 123

April 1 , 2001

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal ; Trade

Word Count: 3615

Ryan, Michael

...competitors, but it has emerged as an aggressive contender. With 8,700 of its own **ATMs** around the country, AmEx has a bigger physical presence than most online banks. Citibank, by contrast, has 3,800 **ATMs** in 46 countries. AmEx has also joined financial networks, such as NYCE and MAC, to...

18/3,K/6 (Item 3 from file: 16) [Links](#)

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

08225826 **Supplier Number: 68206617 (USE FORMAT 7 FOR FULLTEXT)**

The Digital Signature Law Could Put an End to the Paper Trail.(Internet/Web/Online Service Information)

Ryan, Michael

Bank Systems + Technology , v 38 , n 1 , p 50

Jan , 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 786

Ryan, Michael

...today for bank-by-phone and Internet banking applications. The PINs consumers use with their **ATM** and debit cards are essentially electronic signatures, telling the bank, "I am the person who..."

18/3,K/7 (Item 4 from file: 16) [Links](#)

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

04848145 **Supplier Number: 47132405 (USE FORMAT 7 FOR FULLTEXT)**

PLDs set to rebound in '97

Ryan, Margaret

Electronic Engineering Times , p 25

Feb 17 , 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 955

Ryan, Margaret

...rapidly evolving standards are the norm.

For example, engineers building devices for asynchronous-transfer-mode (ATM) networks need parts that allow them to make fast design changes, accommodate uncertain production volumes...

...customers. Some popular uses of HDPLDs include protocol conversion in protocol-rich telecommunications environments like ATM.

Demand for HDPLDs won't slow in 1997, but the devices are expected to be less...

18/3,K/8 (Item 1 from file: 148) Links

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

10279977 **Supplier Number:** 20833815 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Spotting convergence, Coactive delivers off-the-shelf solutions -- Links forged between control and IP networks.(Coactive Networks bridges Echelon's LonWorks control-network technology with IP networks to deliver physical-device information to computer networks) (Company Business and Marketing)

Ryan, Margaret

Electronic Engineering Times , n1013 , p46(1)

June 22 , 1998

ISSN: 0192-1541

Language: English

Record Type: Fulltext

Word Count: 477 **Line Count:** 00043

Ryan, Margaret

...link between Raytheon's fiber-optic LonWorks control network and the ship's 155-Mbit ATM data network, which is used to automate closed-loop control of the ship's steering...

18/3,K/9 (Item 2 from file: 148) Links

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

09648127 **Supplier Number:** 18422593 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Transforming duds into dudes. (marketing tips)

Ryan, Mike, Jr.

Cellular Business , v13 , n5 , p18(1)

May , 1996

ISSN: 0741-6520

Language: English

Record Type: Fulltext

Word Count: 968 **Line Count:** 00075

Ryan, Mike, Jr.

...Neatness means a weekly, if not daily, ritual of trashing those fast food wrappers and **ATM** receipts lying on the floor boards of your vehicle and concealing all but pertinent office...

18/3,K/10 (Item 3 from file: 148) [Links](#)

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

09288237 **Supplier Number:** 19138373 (USE FORMAT 7 OR 9 FOR FULL TEXT)

PLDs set to rebound in '97. (programmable logic devices) (Industry Trend or Event)

Ryan, Margaret

Electronic Engineering Times , n941 , p25(2)

Feb 17 , 1997

ISSN: 0192-1541

Language: English

Record Type: Fulltext; Abstract

Word Count: 1016 **Line Count:** 00083

Ryan, Margaret

Abstract: ...is ideal in situations where designers need to make fast changes, such as when developing **ATM** devices. Demand for high-density PLDs will not slow, but the devices will drop in...

...rapidly evolving standards are the norm.

For example, engineers building devices for asynchronous-transfer-mode (**ATM**) networks need parts that allow them to make fast design changes, accommodate uncertain production volumes...

...customers. Some popular uses of HDPLDs include protocol conversion in protocol-rich telecommunications environments like **ATM**.

Demand for HDPLDs won't slow in 1997, but the devices are expected to be less...

18/3,K/11 (Item 4 from file: 148) [Links](#)

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

08895481 **Supplier Number:** 18564924

Rockwell sells aero, mil units to Boeing. (Rockwell International to sell Defense and Aerospace businesses) (Company Business and Marketing)

Ryan, Margaret

Electronic Engineering Times , n913 , p4(2)

August 5 , 1996

[File 47] **Gale Group Magazine DB(TM)** 1959-2007/Jul 02
(c) 2007 The Gale group. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2007/Jul W2
(c) 2007 FIZ TECHNIK. All rights reserved.

[File 239] **Mathsci** 1940-2007/Aug
(c) 2007 American Mathematical Society. All rights reserved.

[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Jul 12
(c) 2007 The Gale Group. All rights reserved.

[File 625] **American Banker Publications** 1981-2007/Jul 13
(c) 2007 American Banker. All rights reserved.

[File 268] **Banking Info Source** 1981-2007/Jun W4
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 626] **Bond Buyer Full Text** 1981-2007/Jul 13
(c) 2007 Bond Buyer. All rights reserved.

[File 267] **Finance & Banking Newsletters** 2007/Jul 06
(c) 2007 Dialog. All rights reserved.

[File 994] **NewsRoom 2003**
(c) 2007 Dialog. All rights reserved.

[File 995] **NewsRoom 2002**
(c) 2007 Dialog. All rights reserved.

[File 996] **NewsRoom 2000-2001**
(c) 2007 Dialog. All rights reserved.

; d s

| Set | Items | Description |
|-----|--------|--|
| S1 | 12 | S AU=(HANEY, S? OR HANEY S? OR HANEY(1N) (S OR SEAN)) |
| S2 | 50 | S AU=(ENRIGHT, J? OR ENRIGHT J? OR ENRIGHT(1N) (J OR JEFFERY)) |
| S3 | 70 | S AU=(EASTMAN, J? OR EASTMAN J? OR EASTMAN(1N) (J OR JEFFERY)) |
| S4 | 3 | S AU=(THERIAULT, F? OR THERIAULT F? OR THERIAULT(1N) (F OR FRANKLIN)) |
| S5 | 72 | S AU=(DUNLAP, R? OR DUNLAP R? OR DUNLAP(1N) (R OR MATTHEW)) |
| S6 | 0 | S AU=(BESKITT, W? OR BESKITT W? OR BESKITT(1N) (W OR WILLIAM)) |
| S7 | 52 | S AU=(FITZPATRICK, C? OR FITZPATRICK C? OR FITZPATRICK(1N) (C OR COLIN)) |
| S8 | 15 | S AU=(LASKOWSKI, E? OR LASKOWSKI E? OR LASKOWSKI(1N) (E OR EDWARD)) |
| S9 | 1191 | S AU=(RYAN, M? OR RYAN M? OR RYAN(1N) (M OR MIKE)) |
| S10 | 22 | S AU=(LAVELLE, B? OR LAVELLE B? OR LAVELLE(1N) (B OR BILL)) |
| S11 | 319 | S AU=(SCHULTZ, D? OR SCHULTZ D? OR SCHULTZ(1N) (D OR DAVID)) |
| S12 | 8 | S AU=(FORCE, M? OR FORCE M? OR FORCE(1N) (M OR MATTHEW)) |
| S13 | 236173 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR ATMS |

| | | |
|-----|--------|---|
| S14 | 839059 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? |
| S15 | 0 | S S1 AND S2 AND S3 AND S4 AND S5 AND S7 AND S8 AND S9 AND S10 AND S11 AND |
| S12 | | |
| S16 | 1814 | S S1 OR S2 OR S3 OR S4 OR S5 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 |
| S17 | 8 | S S16 AND S13 |
| S18 | 8 | RD (unique items) |

18/3,K/1 (Item 1 from file: 47) [Links](#)

Gale Group Magazine DB(TM)

(c) 2007 The Gale group. All rights reserved.

06020931 **Supplier Number:** 70910188 (USE FORMAT 7 OR 9 FOR FULL TEXT)

AmEx Charges Ahead - Venerable financial colossus American Express has a hit on its hands with the Blue card. But that's just the beginning of what it wants to achieve on the Web.(Company Business and Marketing)

Ryan, Michael

Ziff Davis Smart Business for the New Economy , 123

April 1 , 2001

Language: English **Record Type:** Fulltext; Abstract

Word Count: 3615 **Line Count:** 00289

Ryan, Michael

...competitors, but it has emerged as an aggressive contender. With 8,700 of its own **ATMs** around the country, AmEx has a bigger physical presence than most online banks. Citibank, by contrast, has 3,800 **ATMs** in 46 countries. AmEx has also joined financial networks, such as NYCE and MAC, to...

18/3,K/2 (Item 1 from file: 95) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

TEME-Technology & Management

(c) 2007 FIZ TECHNIK. All rights reserved.

01293442 C99030268491

Real-time X-ray scattering studies of surface structure during metalorganic chemical vapor deposition of GaN

(Echtzeit-Roentgenstreuungsuntersuchungen der Oberflaechenstruktur waehrend der metallorganischen Dampfphasenabscheidung von GaN)

Stephenson, GB; **Eastman, JA**; Auciello, O; Munkholm, A; Thompson, C; Fuoss, PH; Fini, P; DenBaars, SP; Speck, JS

Argonne Nat. Lab, USA; Univ. of California, Santa Barbara, D

MRS Bulletin, v24, n1, pp21-25 , 1999

Document type: journal article **Language:** English

Record type: Abstract

ISSN: 0883-7694

Stephenson, GB; **Eastman, JA**; Auciello, O; Munkholm, A; Thompson, C; Fuoss, PH; Fini, P; DenBaars, SP; Speck, JS

Abstract:

...einem Gasgemisch aus Ga(CH₃)₃, NH₃ und N₂ bei 1000 Grad C und 1 atm Gesamtdruck homoepitaktisch abgeschieden. Die eingesetzte Strahlung hat eine Photonenenergie von 24 keV. Zur Beobachtung von...

18/3,K/3 (Item 2 from file: 95) [Links](#)
TEME-Technology & Management
(c) 2007 FIZ TECHNIK. All rights reserved.
00640159 F92122169983

Van der Lugt optical correlation for use in the improvement of hermetically sealed microstimulator technology

(Optische Van-der-Lugt-Korrelation zur Verbesserung hermetisch versiegelter Mikrostimulations-Technologie)
Fitzpatrick, C; Mueller, E
Electro Optic Consulting, Fountain Valley, USA; Center for Devices and Radiological Health, Rockville, USA
Holography, Interferometry, and Optical Pattern Recognition in Biomedicine 2, Los Angeles, USA, 23-24 January
1992 , 1992

Document type: Conference paper **Language:** English
Record type: Abstract
Fitzpatrick, C; Mueller, E

Abstract:

...in hermetically sealed packages in the range of $10(\text{exp } -1)$ to $10(\text{exp } -6)$ atm cc/sec. This method of optical correlation relies solely on the correlation of the stressed... ..future, further test should be conducted to calibrate leak rates smaller than $10(\text{exp } -6)$ atm cc/sec. For leak rates greater than $5 \times 10(\text{exp } -3)$, atm cc/sec, a study should be made of the type of flow taking place during...

18/3,K/4 (Item 1 from file: 268) [Links](#)
Banking Info Source
(c) 2007 ProQuest Info&Learning. All rights reserved.
00391573 63471283 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Digital John Hancocks
Ryan, Michael J
Independent Banker , v 50 , n 11 , p 19-22 , Nov 2000 **Document Type:** Periodical; Feature **Language:** English
Record Type: Fulltext
Word Count: 1,825 **Ryan, Michael J**

...constitute an electronic signature. "Banks require the use of a PIN with their debit and ATM cards. Under the new law, the same process now constitutes an electronic signature," Auton explains...not increase sales or lower operating expenses at all-at least in the short run.

ATMs and banking by phone went through a normal period of consumer acceptance and growth in...

18/3,K/5 (Item 2 from file: 268) [Links](#)
Banking Info Source
(c) 2007 ProQuest Info&Learning. All rights reserved.

00319217 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Rethinking antitrust

Smith, Brian W; Ryan, Mark W

Banking Strategies , v 73 , n 5 , p 6-11 , Sep/Oct 1997 Document Type: Journal Article Language: English

Record Type: Abstract Fulltext

Word Count: 01684 ...Ryan, Mark W

...three years.

Consider that the Office of the Comptroller of the Currency recently ruled that **automated teller machines**, remote service units, and automated loan machines are not bank "branches" under the National Bank Act. This opened the door for national banks to expand networks of **ATMs**, RSUs, and ALMs without regard to state-imposed restrictions on bank branching.

Should these automated...established at any number of brokerage firms. Loans can be obtained and securities purchased through **ATMs**. Individual banking can be done entirely via personal computers.

The lifting of many barriers defining...

18/3,K/6 (Item 3 from file: 268) Links

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00114869 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Special report: bank building & design: too big for your building?

Dunlap, Rex H.

Southern Banker , v 169 , n 3 , p 30,32,34-35 , Mar 1988 Language: English Record Type: Abstract Dunlap, Rex H.

Descriptors: ...Automated Teller Machines;

18/3,K/7 (Item 1 from file: 994) Links

NewsRoom 2003

(c) 2007 Dialog. All rights reserved.

0576039917 162016ZE

SPENDING RESTRAINTS COULD SOLVE BUDGET CRISIS

James S. Haney

Capital Times (Madison, WI) , ALL ed , p A12

Thursday , January 16, 2003

Journal Code: ACFC Language: English Record Type: Fulltext

Document Type: Newspaper Section Heading: OPINION ISSN: 0749-4068

Word Count: 606

James S. Haney

...suspension of income tax indexing and the increase in the sales tax turned into a **money machine** once the state's economy rebounded.

As a result, excess revenue led to excess spending...

18/3,K/8 (Item 1 from file: 995) [Links](#)

NewsRoom 2002

(c) 2007 Dialog. All rights reserved.

0409022072 15RL0PKR

Understanding Utah winter storms: The Intermountain Precipitation Experiment

Schultz, David M

Bulletin of the American Meteorological Society , v 83 , n 2 , p 189

Thursday , February 28, 2002

Journal Code: AEES **Language:** ENGLISH **Record Type:** Fulltext

Document Type: Scholarly Journal **ISSN:** 0003-0007

Word Count: 11,080

Schultz, David M

...Center for High Performance Computing. Analysis of IOP 3 has been supported by NSF Grant **ATM-0085318** to the University of Utah. Finally, we gratefully acknowledge the organizations that deploy and...

[File 348] EUROPEAN PATENTS 1978-2007/ 200728

(c) 2007 European Patent Office. All rights reserved.

**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] PCT FULLTEXT 1979-2007/UB=20070705UT=20070628

(c) 2007 WIPO/Thomson. All rights reserved.

**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

```
; d s
Set      Items  Description
S1       47702  S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S2       60725  S (CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ?
OR COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR
POUND? ? OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION) (3N) (DISPENS??? OR DISBURS???
OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR TAKE) (OUT OR GIVES OR GIVING OR EJECT??? OR
PRESENT??? OR WITHDRAW??)
S3       386718 S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ?
S4       1323521 S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT
OR DISPENS???
S5       894661 S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT???
S6       164815 S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR
IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION OR NUMBER OR
ACCOUNT OR ADDRESS OR TOTAL OR AMOUNT OR RESPONSE OR PROOF()DEPOSIT)
S7       21049  S (SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? OR
DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM?
? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?))
(7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N)
(LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE?
? OR SITE? ?)
S8       763160 S JAM OR JAMMED OR BLOCK OR BLOCKAGE OR STUCK OR STOPPAGE OR WEDGE? ? OR
OBSTRUCTION
S9       14659  S (INKJET OR INK()JET OR INK) ( ) PRINTER OR INK()NOZZLE? ?
S10      567096 S WIPER? ? OR VESSEL? ? OR TRANSPORT???
S11       1     S PROOF()DEPOSIT
S12      1591   S S1 (S) S2
S13      439961 S (S3 OR S4) (3N) (S5 OR S3)
S14       304   S S12 (S) S13
S15       39    S S14 (S) S6
S16       6     S S15 AND S7
S17       6     IDPAT (sorted in duplicate/non-duplicate order)
S18       6     IDPAT (primary/non-duplicate records only)
S19      3433   S S1 (S) S8
S20       12    S S19 AND S9
S21       9     S S20 AND S10
S22       9     S S21 NOT S18
S23       9     IDPAT (primary/non-duplicate records only)
```

18/5K/2 (Item 2 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

01159825

CASH DISPENSING AUTOMATED BANKING MACHINE AND METHOD

AUTOMATE BANCAIRE A DISTRIBUTEUR ET PROCEDE CORRESPONDANT

Patent Applicant/Patent Assignee:

- **DIEBOLD INCORPORATED**; 5995 MAYFAIR ROAD, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(For all designated states except: US)
- **GRAEF H Thomas**; P.O. BOX 287, BOLIVAR, Ohio 44612
US; US (Residence); US (Nationality)
(Designated only for: US)
- **FOCKLER Gregory**; 4621 FAIRHAVEN NW, CANTON, OH 44709
US; US (Residence); US (Nationality)
(Designated only for: US)
- **KRAFT Dave**; 3505 DARLINGTON AVENUE, CANTON, OH 44708
US; US (Residence); US (Nationality)
(Designated only for: US)
- **SCHOEFFLER Daniel**; 2148 DEMI DRIVE, TWINSBURG, OH 44087
US; US (Residence); US (Nationality)
(Designated only for: US)
- **KANSA Robert**; 2357 COPLEY ROAD, AKRON, OH 44320
US; US (Residence); US (Nationality)
(Designated only for: US)
- **KOVACS Douglas A**; 212 VIKING STREET NW, CANTON, OH 44214
US; US (Residence); US (Nationality)
(Designated only for: US)
- **UTZ Zachary**; 8194 OVERWOOD AVENUE, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
- **TULA Pedro**; 1118 LINDY LANE SW, NORTH CANTON, OH 44720
US; US (Residence); MX (Nationality)
(Designated only for: US)
- **WYMER Mark**; 287 OSCEOLA AVENUE, TALLMADGE, OH 44278
US; US (Residence); US (Nationality)
(Designated only for: US)
- **DOUGLASS Mark**; 1037 BEL AIR DRIVE NW, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
- **LUTE Richard C**; 3460 CURTIS STREET, MOGADORE, OH 44260

- US; US (Residence); US (Nationality)
(Designated only for: US)
- **BOOTH James**; 13223 EGRESS ROAD, KIMBOLTON, OH 43749
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **EASTMAN Jeffrey**; 2152 MOHLER DRIVE NW, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **BESKITT William D**; 4817 MEADOWLANE DRIVE, CANTON, OH 44709
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **JENKINS Randall**; 1458 COUNTRY LANE, ORRVILLE, OH 44667
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **SZABAT Walter J**; 1295 LOUISIANA AVENUE, AKRON, OH 44314
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **MLEZIVA Roy**; 915 39TH STREET NE, CANTON, OH 44714
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **GRIGGY Shawn**; 2585 MT. PLEASANT NW, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **WANG Zen Y**; 8296 ABIGAIL CIRCLE NW, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **VAISHNAV Dolar Harshadrai**; 688 MUSKINGUM AVENUE NW, BREWSTER, OH 44613
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **YOUNG Jeff**; 1171 MOUNT PLEASANT NW, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **FELT Dennis**; 436 N. 12TH STREET, CAMBRIDGE, OH 43725
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **HOLLIFIELD David**; 6514 SHAWNEE STREET, LOUISVILLE, OH 44641
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **MAGEE Paul D**; 1113 N. MAIN STREET APT. 147, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)
(Designated only for: US)
 - **BARKER David A**; 1372 BUTLER STREET, NORTH CANTON, OH 44720
US; US (Residence); US (Nationality)

(Designated only for: US)

- **BARNETT Robert W**; 5123 SEAVIEW CIRCLE NW, CANTON, OH 44708
US; US (Residence); US (Nationality)
(Designated only for: US)
- **TUROCYN Kenneth**; 461 WOODCREST DRIVE, WADSWORTH, OH 44281
US; US (Residence); US (Nationality)
(Designated only for: US)
- **WATSON Timothy**; 640 LADYNE AVENUE, BOLIVAR, Ohio 44612-9772
US; US (Residence); US (Nationality)
(Designated only for: US)
- **BAUER Theodore**; 1632 MABRY MILL DRIVE SW, NORTH CANTON, Ohio 44709
US; US (Residence); US (Nationality)
(Designated only for: US)

Patent Applicant/Inventor:

- **GRAEF H Thomas**
P.O. BOX 287, BOLIVAR, Ohio 44612; US; US (Residence); US (Nationality); (Designated only for: US)
- **FOCKLER Gregory**
4621 FAIRHAVEN NW, CANTON, OH 44709; US; US (Residence); US (Nationality); (Designated only for: US)
- **KRAFT Dave**
3505 DARLINGTON AVENUE, CANTON, OH 44708; US; US (Residence); US (Nationality); (Designated only for: US)
- **SCHOEFFLER Daniel**
2148 DEMI DRIVE, TWINSBURG, OH 44087; US; US (Residence); US (Nationality); (Designated only for: US)
- **KANSA Robert**
2357 COPLEY ROAD, AKRON, OH 44320; US; US (Residence); US (Nationality); (Designated only for: US)
- **KOVACS Douglas A**
212 VIKING STREET NW, CANTON, OH 44214; US; US (Residence); US (Nationality); (Designated only for: US)
- **UTZ Zachary**
8194 OVERWOOD AVENUE, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality);
(Designated only for: US)
- **TULA Pedro**
1118 LINDY LANE SW, NORTH CANTON, OH 44720; US; US (Residence); MX (Nationality); (Designated only for: US)
- **WYMER Mark**
287 OSCEOLA AVENUE, TALLMADGE, OH 44278; US; US (Residence); US (Nationality); (Designated only for: US)
- **DOUGLASS Mark**
1037 BEL AIR DRIVE NW, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality);
(Designated only for: US)

- **LUTE Richard C**
3460 CURTIS STREET, MOGADORE, OH 44260; US; US (Residence); US (Nationality); (Designated only for: US)
- **BOOTH James**
13223 EGRESS ROAD, KIMBOLTON, OH 43749; US; US (Residence); US (Nationality); (Designated only for: US)
- **EASTMAN Jeffrey**
2152 MOHLER DRIVE NW, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)
- **BESKITT William D**
4817 MEADOWLANE DRIVE, CANTON, OH 44709; US; US (Residence); US (Nationality); (Designated only for: US)
- **JENKINS Randall**
1458 COUNTRY LANE, ORRVILLE, OH 44667; US; US (Residence); US (Nationality); (Designated only for: US)
- **SZABAT Walter J**
1295 LOUISIANA AVENUE, AKRON, OH 44314; US; US (Residence); US (Nationality); (Designated only for: US)
- **MLEZIVA Roy**
915 39TH STREET NE, CANTON, OH 44714; US; US (Residence); US (Nationality); (Designated only for: US)
- **GRIGGY Shawn**
2585 MT. PLEASANT NW, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)
- **WANG Zen Y**
8296 ABIGAIL CIRCLE NW, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)
- **VAISHNAV Dolar Harshadrai**
688 MUSKINGUM AVENUE NW, BREWSTER, OH 44613; US; US (Residence); US (Nationality); (Designated only for: US)
- **YOUNG Jeff**
1171 MOUNT PLEASANT NW, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)
- **FELT Dennis**
436 N. 12TH STREET, CAMBRIDGE, OH 43725; US; US (Residence); US (Nationality); (Designated only for: US)
- **HOLLIFIELD David**
6514 SHAWNEE STREET, LOUISVILLE, OH 44641; US; US (Residence); US (Nationality); (Designated only for: US)
- **MAGEE Paul D**
1113 N. MAIN STREET APT. 147, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)
- **BARKER David A**

1372 BUTLER STREET, NORTH CANTON, OH 44720; US; US (Residence); US (Nationality); (Designated only for: US)

- **BARNETT Robert W**
5123 SEAVIEW CIRCLE NW, CANTON, OH 44708; US; US (Residence); US (Nationality); (Designated only for: US)
- **TUROCYN Kenneth**
461 WOODCREST DRIVE, WADSWORTH, OH 44281; US; US (Residence); US (Nationality); (Designated only for: US)
- **WATSON Timothy**
640 LADYNE AVENUE, BOLIVAR, Ohio 44612-9772; US; US (Residence); US (Nationality); (Designated only for: US)
- **BAUER Theodore**
1632 MABRY MILL DRIVE SW, NORTH CANTON, Ohio 44709; US; US (Residence); US (Nationality); (Designated only for: US)

Legal Representative:

- **JOCKE Ralph E(agent)**
231 SOUTH BROADWAY, MEDINA, OH 44256; US;

| | Country | Number | Kind | Date |
|-------------|---------|------------|-------|----------|
| Patent | WO | 200481739 | A2-A3 | 20040923 |
| Application | WO | 2004US7167 | | 20040310 |
| Priorities | US | 2003453667 | | 20030310 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;
TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

| IPC | Level |
|------|-------|
| G06F | Main |

| IPC | Level | Value | Position | Status | Version | Action | Source | Office |
|--------------|-------|-------|----------|--------|----------|--------|--------|--------|
| G07D-0011/00 | A | I | F | B | 20060101 | | H | US |
| G07F-0019/00 | A | I | L | B | 20060101 | | H | US |

Publication Language: English

Filing Language: English

Fulltext word count: 34804

English Abstract:

An automated banking machine (10) is provided. The automated banking machine may include a fascia (50) in operative connection with a frame (110). The machine may include a plurality of hardware devices which are accessible through the fascia. The hardware devices may include a cash dispenser (24), receipt printer (20), and a card reader (22). The fascia may include replaceable bezels (550,552) with apertures therein for providing access to hardware devices. The bezels may be operative to float with respect to the fascia and hardware devices to automatically align hardware devices with the bezels. In addition the hardware devices may include movable portions which are operative to automatically align with the bezels. The bezels may include ramps, ribs, or other angled surfaces which guide the hardware devices into alignment with the openings in the bezels.

French Abstract:

La presente invention concerne un automate bancaire (10) pouvant comporter un equipement de facade (50) en relation fonctionnelle avec un chassis (110). L'automate peut comporter une pluralite de dispositifs materiels accessibles par l'equipement de facade. Ces dispositifs materiels sont notamment un distributeur de billets de banque (24), une imprimante a factures (20), et un lecteur de cartes (22). L'equipement de facade peut comporter des enjoliveurs d'encastrement remplaçables (550, 552) munis d'ouverture donnant acces a des dispositifs materiels. Ces enjoliveurs d'encastrement peuvent etre prevus pour flotter par rapport a l'equipement de facade et aux dispositifs materiels de facon a aligner automatiquement les dispositifs materiels sur les enjoliveurs d'encastrement. En outre, les dispositifs materiels peuvent comporter des parties mobiles servant a s'aligner automatiquement sur les enjoliveurs d'encastrement. Les enjoliveurs d'encastrement peuvent comporter des surfaces en plan incline, a arretes et rainures ou autrement anguleuses permettant de guider les dispositifs materiels pour qu'ils s'alignent avec les ouvertures dans les enjoliveurs d'encastrement

| Type | Pub. Date | Kind | Text |
|---------------|-----------|------|--|
| Publication | 20040923 | A2 | Without international search report and to be republished upon receipt of that report. |
| Examination | 20050915 | | Request for preliminary examination prior to expiration of applicable time limit under Rule 54bis.1(a) |
| Search Rpt | 20060601 | | Late publication of international search report |
| Republication | 20060601 | A3 | With international search report. |

| | | | |
|---------------|----------|----|--|
| Republication | 20060601 | A3 | Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. |
|---------------|----------|----|--|

Detailed Description:

...itself, a portion of the device, or a foreign object.

In an exemplary embodiment, these **sensors** maybe used to **verify** media counts. The **sensors** may also be used to determine a mechanical **position** of portions of the device such as a push plate mechanism. The sensors may also...

Claims:

...located adjacent the bracket, wherein the acceptor device is operative to move items through the **opening** into the **container**, 101. The machine according to claim 100, further comprising a movable projection, wherein when the **container** is moved into engagement with the bracket, the **container** is operative to urge the movable projection into a first position adjacent a portion of... ..operative to prevent the acceptor device from moving into a service position, wherein when the **container** is removed out of engagement with the bracket, the movable projection is operative to move... ..and the acceptor device, wherein the acceptor device is operative to move items through the **opening** into the **container**. 104. The machine according to claim 95, wherein the door of the **container** 1 5 includes an upwardly directed projection, wherein the second portion of the machine is... ..the open position. 105. The machine according to claim 96, wherein the door of the **container** includes **slot**, wherein when the **container** is moved out of engagement with the bracket, the third portion of the machine is... ..the door into the closed position. 106. The machine according to claim 95, wherein the **container** includes a frame, wherein the locking mechanism is mounted within the frame, wherein the frame... ..first portion includes a pin which is-positioned to project through the aperture when the **container** is moved into engagement with the bracket. 107. The machine according to claim 95, wherein... ..one of the flanges of the door into the channel. 110. A method comprising: a) urging a **deposit holding container** to slide adjacent a bracket of an **automated banking machine**, wherein the **automated banking machine** includes a **cash dispenser**, wherein the **container** 1 5 includes a locking mechanism, wherein the locking mechanism is in an armed state, wherein the **container** includes a door, wherein the door is operative to move from a closed position tolocking mechanism is in the armed state; b) urging with a first portion of the **automated banking machine** the locking mechanism to change to a locked state responsive to (a); c) urging the **container** to slide out of the bracket; and d) urging with a second portion of the **automated banking machine**, the door of the **container** to move to a closed position responsive to (c), -wherein a portion of the door... ..method according to claim 1 1 0, wherein prior to (a) the door of the **container** is in the closed position, wherein responsive to (a) urging with a 1 6 third portion of the **automated banking machine** the door of the **container** to slide into the open position. 112. The method according to claim 1... 1 0 117. The method according to claim 116, wherein (g) includes rotating the key in an opposite second direction. 118. A **cash dispensing automated banking machine** comprising: a chest in operative connection with a frame, wherein the chest has a generallyshorter portion, wherein the shorter portion includes an upper face with an opening therethrough; a **cash dispenser** in operative connection within the taller portion of the chest; an acceptor device in operative... ..is positioned above the shorter portion and adjacent to the first taller portion; and a **deposit holding container** in removable connection within the shorter portion of the chest, wherein the acceptor device is operative to move items through the **opening** into the **container**. 119. A **cash dispensing automated banking machine** comprising: a chest; a **cash dispenser** in operative connection with the chest; a frame in operative

connection with the chest; at... A method comprising: a) mounting at least one side panel to a frame of an **automated banking machine**, wherein the **automated banking machine** includes a **cash dispenser**, wherein the at least one side panel is in independent removable connection with the frame; b) after (a), mounting at least one top panel to the frame of the **automated banking machine**, wherein the at least one top panel is operative to prevent the at... independent removable connection with the frame; and c) after (b), closing a door of the **automated banking machine**, where the door is operative to prevent the at least one top panel from being... at least one upper side panel from being removed from the frame. 132. A **cash dispensing automated banking machine** comprising: at least one computer; a **cash dispenser** in operative connection with the at least one computer, wherein the **cash dispenser** is operative to **dispense cash** responsive to the at least one computer; at least one transaction function device in operative... a transaction function device opening which is operative to provide at least one of a **dispensed item** and a **deposited item** therethrough; a frame, wherein the **cash dispenser**, at least one transaction function device, and at least one computer are in operative connection... machine according to claim 136, wherein the at least one transaction function device includes the **cash dispenser**. 138. The machine according to claim 134, wherein the at least one transaction function device... transaction function device to operate. 143. A method comprising: a) urging a fascia of an **automated banking machine** to move from an open position to a closed position adjacent a frame of the **automated banking machine**, wherein the **automated banking machine** includes a **cash dispenser**; and b) responsive to (a), aligning a transaction function device opening in a transaction function... The method according to claim 143, wherein in (c) the transaction function device includes the **cash dispenser**. 154. The method according to claim 143, wherein in (d) the transaction function device includes a receipt printer. 155. A **cash dispensing automated banking machine** comprising: a **cash dispenser** in operative connection with at least one computer; at least one transaction function device, wherein... a transaction function device opening which is operative to provide at least one of a **dispensed item** and a **deposited item** therethrough; a frame, wherein the **cash dispenser** and at least one transaction function are in operative connection with the frame; I 0... position. 158. The machine according to claim 155, wherein the transaction function device includes the **cash dispenser**. 159. A method comprising: a) urging a transaction function device of an automated banking machine from a service position to a position adjacent a fascia of the machine, wherein the **automated banking machine** includes a **cash dispenser**, and b) responsive to (a), aligning an opening to the transaction function device with an... d) moving the opening to the transaction function device relative to the frame. 160. A **cash dispensing automated banking machine** comprising: a frame; a **cash dispenser** in operative connection with the frame; at least one transaction function device in operative connection... function device includes an opening which is operative to provide at least one of a **dispensed item** and a **deposited item** therethrough; a fascia in operative connection with the frame, wherein the fascia includes at... a) mounting a fascia bezel adjacent at least one opening through a fascia of an **automated banking machine**, wherein the **automated banking machine** includes a **cash dispenser**, wherein the bezel includes an obstructing block that is operative to slide adjacent the opening... claim 172, wherein in (d) the transaction function device includes a passbook printer. 174. A **cash dispensing automated banking machine** comprising: at least one computer; a **cash dispenser** in operative connection with the at least one computer, wherein the **cash dispenser** is operative to **dispense cash** responsive to the at least one computer; a printer in operative connection with the at... includes a printer mechanism which is operative responsive to the at least one computer to **print indicia** on at least one sheet, wherein the printer includes a plurality of belts which are ... belt moves. 176. The machine according to claim 174, further comprising a frame, wherein the **cash dispenser** is in operative connection with the frame, wherein the printer includes a fixed portion in... alignment with the at least one opening through the fascia. 182. A method comprising: a) **printing indicia** on a sheet with a printer mechanism of a printer of an **automated banking machine**, wherein the **automated banking machine** includes a **cash dispenser**; b) moving the sheet in a first direction between the printer mechanism and an exit... The method according to claim 182, wherein further comprising: d) urging a fascia of the **automated banking machine** to move from an open position to a closed position adjacent a frame of the **automated banking machine**; c) responsive to (d), aligning the exit end of the printer with an opening through... to move the exit end into alignment with the opening through the

fascia.190. A cash dispensing automated banking machine comprising:a housing;a cash dispenser positioned within the housing;wherein the housing includes at least two sheet metal parts, wherein...

18/5K/5 (Item 5 from file: 349) [Links](#)

PCT FULLTEXT

(c) 2007 WIPO/Thomson. All rights reserved.

00437069

AUTOMATIC BANK TELLER MACHINE FOR THE BLIND AND VISUALLY IMPAIRED
MACHINE DE GUICHET AUTOMATIQUE POUR LES NON-VOYANTS ET LES PERSONNES AYANT UNE DEFICIENCE VISUELLE

Patent Applicant/Patent Assignee:

- **CITICORP DEVELOPMENT CENTER;**

;;

| | Country | Number | Kind | Date |
|-------------|---------|-----------|------|----------|
| Patent | WO | 9827533 | A2 | 19980625 |
| Application | WO | 97US22135 | | 19971211 |
| Priorities | US | 96768289 | | 19961217 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Main International Patent Classes (Version 7):

| IPC | Level |
|-------------|-------|
| G06F-017/60 | Main |

Publication Language: English

Filing Language:

Fulltext word count: 4005

English Abstract:

An automatic bank teller machine (ATM) (1) that uses a combination of simple visual cues, large-type visual displays, audio (10a, 10b, 14), and a touch-sensitive display screen (10) to facilitate use of the ATM by the blind and visually impaired, while still being useful for the sighted. In particular, the ATM uses a touch-sensitive display screen (10) that has a fixed, easy to locate touch scanning zone. The display screen operates by contacting the screen, with a fingertip, for example, and slidingly moving to a location on the touch scanning zone corresponding to an item to be input, such as one of the numbers 0 to 9, for example.

French Abstract:

L'invention concerne une machine de guichet automatique qui utilise une combinaison de signaux visuels simples, de presentations de visualisation de grande taille, d'un systeme sonore, et d'un ecran de visualisation tactile pour

faciliter l'utilisation de la machine par les non-voyants et les personnes ayant une deficiance visuelle, tout en presentant encore une utilite pour les voyants. En particulier, la machine de guichet automatique utilise un ecran tactile qui comporte une zone de balayage tactile fixe, facile a localiser. L'ecran de visualisation fonctionne en placant; par exemple, le doigt sur l'ecran et en le faisant coulisser jusqu'a un emplacement sur la zone de balayage tactile correspondant a un element a entrer, tel qu'un nombre compris entre 0 et 9, par exemple.

Detailed Description:

...all of the digits of the multidigit number are entered in this manner, a third **location** on the screen is touched.

Touch screens can be most generally considered coordinate **tracking** devices, in the **sense** of **tracking** contact with the screen relative to, for example, a representation of a "button" displayed on...with ATMs. These include an access control device like

a magnetic stripe card reader, a **cash dispensing** mechanism, a **deposit** intake mechanism, a **transaction** record **printer**, and a 1 0 customer input/output interface. The **ATM** as a whole is connected in a conventional manner to a financial data network (not illustrated), by which the **ATM** is connected to a bank's central computers and the like.

Figure 1 is a...also identified by a corresponding Braille text label 38.

The card readers 24, 26, the **cash dispensing** mechanism 18, the **deposit** intake mechanism 20, and the **transaction** record **printer** 22 are each additionally provided with a selectively actuatable visual signaling indicator 40, 42, 44... ..that are actuated in correspondence with activity taking place at a respective component of the **ATM**. For example, when the customer is supposed to take **cash** from the **cash dispensing** mechanism 18, the signaling indicator 44 associated therewith is illuminated. Or, for example, when the **transaction** record printer 22 **prints** out a **transaction** record, the signaling indicator 48 associated therewith is illuminated.

Preferably, the signaling indicators are illuminated...

23/5K/3 (Item 3 from file: 348) [Links](#)

EUROPEAN PATENTS

(c) 2007 European Patent Office. All rights reserved.

01238500

Liquid discharge head, driving method therefor, and cartridge, and image forming apparatus

Flüssigkeitsausstossvorrichtung, Ansteuerungsverfahren hierfür, sowie Patrone und Bilderzeugungseinrichtung
Tete d'ejection de liquide, procede de commandement, cartouche et appareil pour la formation d'images

Patent Assignee:

- **CANON KABUSHIKI KAISHA; (542361)**
30-2, 3-chome, Shimomaruko, Ohta-ku; Tokyo; (JP)
(Proprietor designated states: all)

Inventor:

- **Murakami, Shuichi, c/o Canon K. K.**
30-2, Shimomaruko 3-chome, Ohta-ku; Tokyo; (JP)
- **Hirosawa, Toshiaki, c/o Canon K. K.**
30-2, Shimomaruko 3-chome, Ohta-ku; Tokyo; (JP)
- **Murata, Takayuki, c/o Canon K. K.**
30-2, Shimomaruko 3-chome, Ohta-ku; Tokyo; (JP)
- **Kawamura, Shogo, c/o Canon K. K.**
30-2, Shimomaruko 3-chome, Ohta-ku; Tokyo; (JP)
- **Edamura, Tetsuya, c/o Canon K. K.**
30-2, Shimomaruko 3-chome, Ohta-ku; Tokyo; (JP)

Legal Representative:

- **TBK-Patent (102381)**
Bavariaring 4-6; 80336 Munchen; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|------------|------|----------|---------|
| Patent | EP | 1072416 | A1 | 20010131 | (Basic) |
| | EP | 1072416 | B1 | 20041124 | |
| Application | EP | 2000116444 | | 20000728 | |
| Priorities | JP | 99217101 | | 19990730 | |
| | JP | 99236617 | | 19990824 | |
| | JP | 99286124 | | 19991006 | |

Designated States:

DE; FR; GB; IT;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): B41J-002/14; B41J-002/15; B41J-002/19**CITED PATENTS: (EP B)**

EP 739736 A; EP 791458 A; US 5394181 A; **Abstract** EP 1072416 A1

A liquid discharge head comprises a plurality of main discharge ports (13m) arranged at predetermined intervals (Pm), at least one sub-discharge port (13s) arranged in the arrangement direction of the main discharge ports on both end sides of the arrangement direction of main discharge ports at intervals (Ps) larger than the intervals of the main discharge port arrangement, a plurality of liquid chambers (14) having these plural discharge ports open thereto, a common liquid chamber (15) having these liquid chambers communicated therewith, and liquid being supplied

thereto, and a plurality of discharge energy generating units (11) provided for each of the liquid chambers corresponding to the main discharge ports and the sub-discharge ports to generate discharge energy utilized for discharging liquid from the main discharge ports and the sub-discharge ports. With the liquid discharge head thus arranged, bubbles residing on both end portions of the common liquid chamber are exhausted together with liquid thus exhausted from the sub-discharge ports, hence making it possible to effectively prevent drawback, such as color mixture, that may occur when different kinds of liquid enter the interior of liquid discharge head from the sub-discharge ports at the time of executing recovery process of the liquid discharge head which is performed by the overall suction operation.

Abstract Word Count: 211

NOTE: 12

NOTE: Figure number on first page: 12

| Type | Pub. Date | Kind | Text |
|--------------|-----------|------|--|
| Application: | 20010131 | A1 | Published application with search report |
| Examination: | 20010808 | A1 | Date of request for examination: 20010612 |
| Examination: | 20020904 | A1 | Date of dispatch of the first examination report: 20020722 |
| Grant: | 20041124 | B1 | Granted patent |
| Change: | 20050824 | B1 | Legal representative(s) changed 20050705 |
| Oppn None: | 20051116 | B1 | No opposition filed: 20050825 |

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|--|-----------|--------|------------|
| CLAIMS A | (English) | 200105 | 2515 |
| SPEC A | (English) | 200105 | 22212 |
| CLAIMS B | (English) | 200448 | 2559 |
| CLAIMS B | (German) | 200448 | 2201 |
| CLAIMS B | (French) | 200448 | 2854 |
| SPEC B | (English) | 200448 | 20801 |
| Total Word Count (Document A) 24731 | | | |
| Total Word Count (Document B) 28415 | | | |
| Total Word Count (All Documents) 53146 | | | |

Specification: ...coloring materials in ink to be used for a printing medium). Related Background Art

An **ink jet printer** is the printing apparatus of the so-called non-impact printing type, which is capableprinting mediums. Therefore, with its feature that almost no noises are generated when printing, the **ink jet printer** is widely adopted as an apparatus that operates a printing mechanism for a word processor... ..is performed to drive the driving elements, or a cleaning mechanism is provided for the **ink jet printer** to clean the surface of _____ ports.

For an **ink jet printer** of the kind, a mode is adopted so that the "suction recovery", "cleaning", or "_____ meantime, when the surface of the discharge ports is wiped off using the **wiper** blade, ink which adheres to the **wiper** blade or to the surface of the discharge port may be pressed into the discharge...THE DRAWINGS

Fig. 1 is a perspective view which shows the outer appearance of an **ink jet printer** in accordance with the embodiment of the present invention.

Fig. 2 is a perspective view... will be made of the embodiments in which the present invention is applied to an **ink jet printer**. However, it is to be understood that the invention is not necessarily limited to such... it has been confirmed that the discharge frequencies described above are sufficiently effective.

For the **ink jet printer** of the present embodiment, the wiping process is carried out after the discharge frequencies for...period of predetermined time t_d , such as 200 ms (step S14). During this period of **stoppage**, the ink, which is sucked from the discharge ports 13m and 13s on the recording... period, the negative pressure is assumed to be dropped by a degree of 0.02 atm, for example.

When this waiting period of the predetermined time t_d is over, the CPU...

Specification: ...coloring materials in ink to be used for a printing medium). Related Background Art

An **ink jet printer** is the printing apparatus of the so-called non-impact printing type, which is capable ... printing mediums. Therefore, with its feature that almost no noises are generated when printing, the **ink jet printer** is widely adopted as an apparatus that operates a printing mechanism for a word processor... is performed to drive the driving elements, or a cleaning mechanism is provided for the **ink jet printer** to clean the surface of the discharge ports.

For an **ink jet printer** of the kind, a mode is adopted so that the "suction recovery", "cleaning", or "pre... In the meantime, when the surface of the discharge ports is wiped off using the **wiper** blade, ink which adheres to the **wiper** blade or to the surface of the discharge port may be pressed into the discharge... THE DRAWINGS

Fig. 1 is a perspective view which shows the outer appearance of an **ink jet printer** in accordance with the embodiment of the present invention.

Fig. 2 is a perspective view... will be made of the embodiments in which the present invention is applied to an **ink jet printer**. However, it is to be understood that the invention is not necessarily limited to such... it has been confirmed that the discharge frequencies described above are sufficiently effective

For the **ink jet printer** of the present embodiment, the wiping process is carried out after the discharge frequencies for...period of predetermined time t_d , such as 200 ms (step S14). During this period of **stoppage**, the ink, which is sucked from the discharge ports 13m and 13s on the recording... period, the negative pressure is assumed to be dropped by a degree of 0.02 atm, for example.

When this waiting period of the predetermined time t_d is over, the CPU...

Claims: ...M4001) pouvant se déplacer pour effectuer un balayage dans la direction croisant la direction de transport d'un support d'impression pour qu'un liquide soit déchargé vers celui-ci depuis...

23/5K/4 (Item 4 from file: 348) [Links](#)

EUROPEAN PATENTS

(c) 2007 European Patent Office. All rights reserved.

01125963

System and method for image depositing, image presentment and deposit taking in a commercial environment

System und Verfahren zur Bildablage, Bilddarstellung und Vornehmen von Einzahlungen in einem kommerziellen Umgebung

Systeme et methode pour le depot d'images, la presentation d'images et la reception de depots dans un environnement commercial

Patent Assignee:

- **CITIBANK, N.A.;** (1570360)
399 Park Avenue; New York, New York 10043; (US)
(Applicant designated States: all)
- **Citicorp Development Center, Inc.;** (1175292)
12731 W. Jefferson Boulevard; Los Angeles, California 90066; (US)
(Applicant designated States: all)

Inventor:

- **Slater, Alan**
10 Jefferson Road.; East Brunswick, New Jersey 08816; (US)
- **Sears Michael L.**
2567 Plaza del Amo #101; Torrance, California 90503; (US)
- **Rin-Rin Hsu, Phoebe**
19520 Turtle Ridge Lane; Northridge, California 91326; (US)
- **Do D. Cuong**
7226 Newcastle Avenue; Reseda, California 91335; (US)
- **McSharry H. Patrick**
6002 S. La Cienega Blvd.; Los Angeles, California 90056; (US)
- **Dudasik Edward M.R.**
24020 Meredith Court; West Hills, California 91304; (US)
- **Gryte Stephen M.**
12672 Dewey Street; Los Angeles, Clifornia 90066; (US)
- **Brooks, Robert O.(Bob)**
6221 Flores Avenue; Los Angeles, California 90056; (US)

Legal Representative:

- **Johansson, Lars-Erik et al (9205661)**
Hynell Patenttjanst AB Patron Carls vag 2; 683 40 Hagfors / Uddeholm; (SE)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 984410 | A1 | 20000308 | (Basic) |
| Application | EP | 99202212 | | 19990707 | |
| Priorities | US | 92486 P | | 19980707 | |

| | | | | | |
|--|----|---------|--|----------|--|
| | US | 92487 P | | 19980707 | |
|--|----|---------|--|----------|--|

Designated States:

AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LI; LU; MC; NL; PT; SE;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07F-019/00; G07F-007/10; G06F-017/60**Abstract** EP 984410 A1

A method and system provides for scanning a check and/or cash to create an electronic image of the front and the back of the check and/or cash. The image is then processed and transmitted electronically to a central location. The image may be recreated into a paper form at the central location, resembling the original paper check or cash. Paperless processing of checks and cash is thus provided, including local voiding and storage of the check without requiring immediate pickup, while still allowing the transaction to be process.

Abstract Word Count: 89

NOTE: 1

NOTE: Figure number on first page: 1

| Type | Pub. Date | Kind | Text |
|--------------|-----------|------|--|
| Examination: | 20000906 | A1 | Date of request for examination: 20000713 |
| Application: | 20000308 | A1 | Published application with search report |
| Change: | 20060816 | A1 | Title of invention (French) changed: 20060816 |
| Change: | 20060816 | A1 | Title of invention (English) changed: 20060816 |
| Change: | 20060816 | A1 | Title of invention (German) changed: 20060816 |
| Examination: | 20050615 | A1 | Date of dispatch of the first examination report: 20050428 |
| Extended: | 20001122 | A1 | Extended states: AL; LT; LV; MK; RO; SI |
| Change: | 20021218 | A1 | Legal representative(s) changed 20021025 |
| Change: | 20051109 | A1 | Legal representative(s) changed 20050919 |

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200010 | 1184 |
| SPEC A | (English) | 200010 | 5930 |
| Total Word Count (Document A) 7114 | | | |
| Total Word Count (Document B) 0 | | | |
| Total Word Count (All Documents) 7114 | | | |

Specification: ...to be sent subsequently to the paying banks.

This is more clearly illustrated by the **block** diagram of Fig. 3 in which the checks are scanned into a bank's **ATM** 251 and processed, as previously described, at **block** 253. An MICR facsimile is then generated at **block** 255 ...deposit taking, a user other than a customer of the banking institution that owns the **ATM/CAT**, accesses the

ATM/CAT and makes a deposit in the same manner that the banking institution's own customer would make the deposit, i.e., for example, as shown at **block 267** of Fig. 5. This is done from the user's access card and the... ..that the customer is the depositor of another banking institution. The banking institution for the ATM/CAT scans the deposited check, and then through a processing center or on-line network... ..function may be provided, for example, on a fee basis by the bank having the ATM/CAT, to the other banking institution.

In accordance with this aspect of the system, the...numbers of checks are taken in, wherever the corporation has difficulty and cost associated with **transporting** checks.

Yet still further, another application is in the overseas collection of checks drawn on...programmable endorsement and cancellation information is applied on the back of the check with an **inkjet printer** module and ink stamps. The front of the check must be printed to indicate that... ..check has been voided or the check must be destroyed. The accepted check is then **transported** to a storage bin in the automatic teller machine. The scanner is configured to accept...

23/5K/5 (Item 5 from file: 348) [Links](#)

EUROPEAN PATENTS

(c) 2007 European Patent Office. All rights reserved.

00431135

Apparatus for stacking articles in a container.

Vorrichtung zum Stapeln von Artikeln in einem Behälter.

Appareil pour empiler des articles dans un conteneur.

Patent Assignee:

- **NCR CORPORATION; (218720)**
World Headquarters; Dayton, Ohio 45479; (US)
(applicant designated states: DE;FR;GB)

Inventor:

- **Hain, David Alexander**
14A Adderley Terrace; Monifieth, Dundee DD5 4DR, Scotland; (GB)

Legal Representative:

- **Robinson, Robert George (35392)**
International Patent Department NCR Limited 915 High Road North Finchley; London N12 8QJ; (GB)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 405964 | A2 | 19910102 | (Basic) |
| | EP | 405964 | A3 | 19910724 | |
| Application | EP | 90307068 | | 19900628 | |

| | | | | | |
|------------|----|---------|--|----------|--|
| Priorities | GB | 8915126 | | 19890630 | |
|------------|----|---------|--|----------|--|

Designated States:

DE; FR; GB;

International Patent Class (V7): G07F-007/10; G07D-001/00; **CITED PATENTS: (EP A)**

GB 2122008 A; US 4510380 A; US 4570801 A; US 4682768 A; EP 317537 A; US 4512263 A; **Abstract** EP 405964 A2

A depository apparatus for stacking envelopes in a container (24) includes **transport** means (16) for conveying an envelope (122(min)) from an entry slot (22) of the apparatus into a receiving zone of the container (24), the receiving zone being separated from a storage zone of the container (24) by resiliently mounted flaps which in operation permit one-way passage of an envelope from the receiving zone into the storage zone. A pusher block (146) is arranged to push an envelope in the receiving zone past the flaps and into the storage zone against the pressure exerted by a block of elastomeric material held in the storage zone in a somewhat compressed condition. For the purpose of simplifying the construction of the apparatus, there is employed a single bidirectional electric motor (80) for driving the **transport** means (16) when operating in one sense, and for driving actuating means (108) for the pusher block (146) when operating in the opposite sense.

Abstract ...A2

Abstract Word Count: 162

| Type | Pub. Date | Kind | Text |
|----------------|-----------|------|--|
| Application: | 19910102 | A2 | Published application (A1with;A2without) |
| Search Report: | 19910724 | A3 | Separate publication of the European or International search report |
| Examination: | 19920311 | A2 | Date of filing of request for examination: 920109 |
| Examination: | 19930929 | A2 | Date of despatch of first examination report: 930813 |
| Change: | 19940105 | A2 | Representative (change) |
| *Assignee: | 19940105 | A2 | Applicant (transfer of rights) (change): NCR INTERNATIONAL INC. |
| Withdrawal: | 19940824 | A2 | Date on which the European patent application was deemed to be withdrawn: 940224 |

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | | 930 |
| SPEC A | (English) | | 5470 |
| Total Word Count (Document A) 6400 | | | |
| Total Word Count (Document B) 0 | | | |
| Total Word Count (All Documents) 6400 | | | |

Specification: ...a deposit entry slot in the user console, and the depository apparatus of the ATM **transports** the

envelope to, and deposits it in, a portable container included in the apparatus.

In some known types of depository apparatus, envelopes are simply dropped one by one by a **transport** mechanism into a portable container. Such an apparatus has the disadvantage that envelopes are deposited... ..invention there is provided an apparatus for stacking articles in a container, said apparatus including **transport** means for conveying an article from an entry aperture of said apparatus to a receiving... ..of said pusher means, characterized by a bidirectional motor which is arranged to drive said **transport** means when operating in one sense, and which is arranged to operate said actuating means... ..a supporting framework 10 having side walls 12 and 14. The depository apparatus includes a **transport** mechanism 16 having an upper pair of endless belts 18 and a lower pair of...thick) can be conveyed by the belts 18 and 20 to the container 24.

An **ink jet printer** 76 is mounted by support means (not shown) between the belts 18, the printer 76...80 drives the drive shaft 78 in a clockwise direction, drive is transmitted to the **transport** mechanism 16 via the belts 84 and 98, the pulleys 90 and 102, the shaft... ..drives the drive shaft 78 in an anticlockwise direction, no drive is transmitted to the **transport** mechanism 16, but drive is transmitted to the shaft 92 so as to cause it... ..one by one from the receiving zone A into the storage zone B.

A pusher **block** 146 is secured to the lower face of the upper wall 148 of the pusher portion 116, the **block** 146 being of rectangular cross section and extending along substantially the whole length of the... ..the depository container 24 as shown in Figs. 1 and 2. The width of the **block** 146 is somewhat greater than the spacing apart of the flaps 132 so that the **block** 146 is capable of engaging with the flaps 132 for the purpose of pivoting the flaps 132 downwardly. The pusher **block** 146 is normally held out of engagement with the flaps 132 by means of two...sliding along the slots 164. When the depository container 24 is not mounted in the **ATM**, upward movement of the pusher portion 116 relative to the bin 114 is limited by... ..5, when the depository container 24 is mounted in its correct operational position in the **ATM**, the rod 108 is in engagement with the upper face of the upper wall 148... ..front of the **ATM**, the container 24 initially passing under the belts 20 of the **transport** mechanism 16 with the studs 190 and 192 sliding along the rails 168 and 170...as to drive the drive shaft 78 in a clockwise direction and thereby cause the **transport** mechanism 16 to commence operation, with the belts 18 and 20 being driven in the direction of the associated arrows in Fig. 2. Upon the commencement of operation of the **transport** mechanism 16, the envelope 122(min) is gripped by the belts 18 and 20 and... ..means. During the final part of the movement of the envelope 122(min) by the **transport** mechanism 16, the envelope 122(min) moves over the guide member 194 of the bin 114 and is deposited by the **transport** mechanism 16 in the interior of the depository container 24, with the long edges of...action of the rod 108 connected to the link members 110; at this time the **transport** mechanism 16 is in a deactivated condition. As the pusher block 146 moves downwards it... ..that it is of simple construction in that a single electric motor operates both the **transport** mechanism 16 and the pusher portion 116. Also, the elastomeric block 128 provides a very...

Claims: ...A3

1. An apparatus for stacking articles in a container (24), said apparatus including **transport** means (16) for conveying articles from an entry aperture (22) of said apparatus to a... ..said pusher means, characterized by a bidirectional motor (80) which is arranged to drive said **transport** means (16) when operating in one sense, and which is arranged to operate said actuating... ..means are formed by flaps (32) resiliently biased into home positions, and in that said **transport** means (16) is arranged to drive an article (122(min)) into said receiving zone (A... ..associated with second clutch means (104) and which is arranged, when driven, to drive said **transport** means (16), a third shaft (78) which is driven in operation in a first sense... ..sensing that an article (122(min)) has been deposited in said container (24) by said **transport** means (16).

7. An apparatus according to any one of the preceding claims, characterized in... ..being removed from, or inserted in, said apparatus, said container (24) is slidable beneath said **transport means** (16) with said first and second support means (192, 190) in sliding engagement with...

23/5K/6 (Item 6 from file: 348) [Links](#)

EUROPEAN PATENTS

(c) 2007 European Patent Office. All rights reserved.

00431134

Container for holding a stack of articles.

Behälter zur Aufnahme eines Stapels von Artikeln.

Cassette pour contenir une pile d'articles.

Patent Assignee:

- **NCR INTERNATIONAL INC.;** (1449480)
1700 South Patterson Boulevard; Dayton, Ohio 45479; (US)
(applicant designated states: DE;FR;GB)

Inventor:

- **Hain, David Alexander**
14A Adderley Terrace; Monifieth, Dundee DD5 4DR, Scotland; (GB)

Legal Representative:

- **Robinson, Robert George (35392)**
International Patent Department NCR Limited 915 High Road North Finchley; London N12 8QJ; (GB)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 405963 | A2 | 19910102 | (Basic) |
| | EP | 405963 | A3 | 19910731 | |
| | EP | 405963 | B1 | 19940309 | |
| Application | EP | 90307067 | | 19900628 | |
| Priorities | GB | 8915048 | | 19890630 | |

Designated States:

DE; FR; GB;

International Patent Class (V7): G07D-001/00; G07F-007/10; **CITED PATENTS: (EP A)**

GB 2120437 A; GB 2104877 A; EP 175175 A; EP 76702 A; EP 224061 A; US 4512263 A; **Abstract** EP 405963 A2

A container (24) for holding a stack of envelopes (122) includes pusher means (146) for pushing envelopes from a

receiving zone (A) into a storage zone (B) past resiliently mounted flaps (132). The stack is supported on a support member (130) which is slidably and resiliently mounted in the container (24). A shaft (184) to which gear means (186,188) are secured is rotatably mounted on the support member (130), the gear means (186,188) engaging with fixed rack means (180). A ratchet wheel (194) engageable by a pawl (200) is freely mounted on the shaft (184) which passes through a torsion spring the ends of which are respectively attached to the shaft (184) and the ratchet wheel (194). When the support member (130) is moved away from the flaps (132) torsion is built up in the spring since rotation of the ratchet wheel (194) is prevented, this torsion serving to urge the support member (130) back towards the flaps (132). The support member (130) is removable from the container (24) together with the stack.

Abstract Word Count: 177

| Type | Pub. Date | Kind | Text |
|----------------|-----------|------|---|
| Lapse: | 20020612 | B1 | Date of lapse of European Patent in a contracting state (Country, date): DE 19940309, FR 19940309, GB 19940628, |
| Application: | 19910102 | A2 | Published application (A1with;A2without) |
| Search Report: | 19910731 | A3 | Separate publication of the European or International search report |
| Change: | 19910828 | A2 | International patent classification (change) |
| Change: | 19910828 | A2 | Obligatory supplementary classification (change) |
| Examination: | 19920311 | A2 | Date of filing of request for examination: 920109 |
| Examination: | 19930929 | A2 | Date of despatch of first examination report: 930817 |
| Change: | 19940105 | A2 | Representative (change) |
| *Assignee: | 19940105 | A2 | Applicant (transfer of rights) (change): NCR INTERNATIONAL INC. |
| Grant: | 19940309 | B1 | Granted patent |
| Lapse: | 19941109 | B1 | Date of lapse of the European patent in a Contracting State: DE 940309 |
| Oppn None: | 19950301 | B1 | No opposition filed |
| Lapse: | 19950913 | B1 | Date of lapse of the European patent in a Contracting State: DE 940309, GB 940628 |

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 764 |
| CLAIMS B | (German) | EPBBF1 | 758 |
| CLAIMS B | (French) | EPBBF1 | 847 |
| SPEC B | (English) | EPBBF1 | 7048 |
| Total Word Count (Document A) 0 | | | |
| Total Word Count (Document B) 9417 | | | |
| Total Word Count (All Documents) 9417 | | | |

Specification: ...a deposit entry slot in the user console, and the depository apparatus of the ATM transports the

envelope to, and deposits it in , a portable container included in the apparatus.

In some known types of depository apparatus, envelopes are simply dropped one by one by a **transport** mechanism into a portable container. Such an apparatus has the disadvantage that envelopes are deposited in a non-orderly manner in the...a supporting framework 10 having side walls 12 and 14. The depository apparatus includes a **transport** mechanism 16 having an upper pair of endless belts 18 and a lower pair of endless belts 20 which...thick) can be conveyed by the belts 18 and 20 to the container 24.

An **ink jet printer** 76 is mounted by support means (not shown) between the belts 18, the printer 76 being arranged to print identifying information on each... 80 drives the drive shaft 78 in a clockwise direction, drive is transmitted to the **transport** mechanism 16, with no drive being transmitted to the shaft 92, and that, when the motor 80 drives the drive shaft 78 in an anticlockwise direction, no drive is transmitted to the **transport** mechanism 16, but drive is transmitted to the shaft 92 so as to cause it to rotate in an anticlockwise direction.

Two crank...one by one from the receiving zone A into the storage zone B.

A pusher **block** 146 is secured to the lower face of the upper wall 148 of the pusher portion 116, the **block** 146 being of rectangular cross section and **extending** along substantially the whole length of the upper wall 148. It should be understood that... the depository container 24 as shown in Figs. 1 and 2. The width of the **block** 146 is somewhat greater than the spacing **apart** of the flaps 132 so that the **block** 146 is capable of engaging with the **flaps** 132 for the purpose of pivoting the flaps 132 downwardly. The pusher **block** 146 is normally held out of engagement with the flaps 132 by means of two pairs of springs 150, each pair of springs... sliding along the slots 164. When the depository container 24 is not mounted in the ATM, upward movement of the pusher portion 116 **relative** to the bin 114 is limited by the engagement of the upper ones of the... 5, when the depository container 24 is mounted in its correct operational position in the ATM, the rod 108 is in engagement with the upper face of the upper wall 148 of the pusher portion 116, the pusher portion...front of the ATM, the container 24 initially passing under the belts 20 of the **transport** mechanism 16 with the studs 228 and 230 sliding along the rails 204 and 206. The manner in which the depository container 24...as to drive the drive shaft 78 in a clockwise direction and thereby cause the **transport** mechanism 16 to commence operation, with the belts 18 and 20 being driven in the direction of the associated arrows in Fig. 2. Upon the commencement of operation of the **transport** mechanism 16, the envelope 122' is gripped by the belts 18 and 20 and is driven by the belts 18 and 20 to the depository container... keyboard means. During the final part of the movement of the envelope 122' by the **transport** mechanism 16, the envelope 122' passes through the aperture 235 over the guide member 232 of the bin 114 and is deposited by the **transport** mechanism 16 in the interior of the depository container 24, with the long edges of the **envelope** 122' being respectively supported on the flaps 132 as shown in Fig. 4, and with... action of the rod 108 connected to the link members 110; at this time the **transport** mechanism 16 is in a deactivated condition. As the pusher block 146 moves downwards it engages the envelope 122' supported on the flaps 132, and continued downward movement of the pusher block 146, against the action...

23/5K/7 (Item 7 from file: 348) [Links](#)

EUROPEAN PATENTS

(c) 2007 European Patent Office. All rights reserved.

00241542

Document reading envelope depository.

Gerat zum Deponieren von Umschlagen mit Dokumentenlesevorrichtung.

Dispositif de depot d'enveloppes a lecture de documents.

Patent Assignee:

- **International Business Machines Corporation;** (200120)
Old Orchard Road; Armonk, N.Y. 10504; (US)
(applicant designated states: DE;FR;GB;IT)

Inventor:

- **Decker, Dale Darwin**
1841 Carmel Ridge Rd.; Charlotte, N.C. 28226; (US)
- **Stanhope, Mary Emory**
6401-2D Cameron Forest Ln.; Charlotte, N.Y. 28210; (US)

Legal Representative:

- **Kirchhof, Norbert (6492)**
IBM Deutschland GmbH Intellectual Property Department Schonaicher Strasse 220; W-7030 Boblingen; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 247361 | A2 | 19871202 | (Basic) |
| | EP | 247361 | A3 | 19890809 | |
| | EP | 247361 | B1 | 19920916 | |
| Application | EP | 87105984 | | 19870424 | |
| Priorities | US | 869169 | | 19860530 | |

Designated States:

DE; FR; GB; IT;

International Patent Class (V7): G07F-007/10; G07F-017/40; **CITED PATENTS: (EP A)**

US 4023011 A; US 3998155 A; EP 160963 A; EP 38176 A; US 3836980 A; US 4166945 A; **Abstract** EP 247361 A2

The entrance to the depository has a deposit item thickness sensor (20) just inside of the deposit gate opening which can detect the difference between a thicker envelope deposit item and a thinner single sheet of paper. A computer (9) is responsive to signals from the thickness sensor (20) to control a deflector (41) which permits envelopes to pass directly through to a sequential stacking deposit bin. Alternately, the thickness sensor (20) causes the computer (9) to control the deflector (41) to divert a single sheet of paper into a read leg of the bifurcated **transport**. After entering the read path (61, 63-81), document alignment rolls (121, 125) placed at a slight angle to the direction of document travel tend to move the document toward a registration edge before the document passes the read head (131). After passing the read head (131), the document returns to the common **transport** at a point just past the thickness sensor and traveling in the same direction as it traveled when first inserted. This permits the document to be recirculated in the event that the document was not adequately aligned for good reading. As the document is recirculated, additional aligning is provided by the alignment rolls until the document has been moved all the way against the registration edge and proper reading can be accomplished.

Abstract ...41) to divert a single sheet of paper into a read leg of the bifurcated **transport**. After entering the read path (61, 63-81), document alignment rolls (121, 125) placed at... ..read head (131). After passing the read head (131), the document returns to the common **transport** at a point just past the thickness sensor and traveling in the same direction as...

Abstract Word Count: 225

| Type | Pub. Date | Kind | Text |
|----------------|-----------|------|---|
| Application: | 19871202 | A2 | Published application (A1with;A2without) |
| Examination: | 19880525 | A2 | Date of filing of request for examination: 880329 |
| Search Report: | 19890809 | A3 | Separate publication of the European or International search report |
| Examination: | 19910626 | A2 | Date of despatch of first examination report: 910514 |
| Grant: | 19920916 | B1 | Granted patent |
| Oppn None: | 19930908 | B1 | No opposition filed |

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 668 |
| CLAIMS B | (German) | EPBBF1 | 372 |
| CLAIMS B | (French) | EPBBF1 | 451 |
| SPEC B | (English) | EPBBF1 | 2997 |
| Total Word Count (Document A) 0 | | | |
| Total Word Count (Document B) 4488 | | | |
| Total Word Count (All Documents) 4488 | | | |

Specification: ...prior art. Some of these prior art envelope depositories include a programmable wire matrix or **ink jet printer** to print sequence numbers or other information **on the envelope** as it is being deposited.

The IBM 4730 Automatic Teller Machine has such an envelope... ..addition has a separate individual check depository. The individual check depository receives each individual check, **transports** the check past a magnetic ink character read head, **prints** audit trail information on the check and places the check into a deposit tray. Each... ..an input gate to control articles being placed into the depository and they each require **transport** belts or rollers to handle the items being deposited. **Each** depository also requires its own programmable printer if deposited items are to be printed with... ..so that the document magnetic ink characters pass under the read head. If a short **transport** path is provided to obtain a compact depository, the **transport** may not be able to move the document sideways far enough to provide proper registration for reading and the document then must be returned to... ..by a single opening for receiving both envelopes and single document deposit items, a common **transport** for receiving said deposit items from said opening, a thickness detector mounted between said opening and an input end of said common **transport** for detecting whether a deposit item is a single document, a diverter mounted at an output end of said common **transport** for diverting single documents from said common **transport** to an input end of a read **transport** to carry a single document past a reading means for reading information from said single document prior to carrying said single document to a **deposit** receiving means or for passing directly deposit items which are envelopes to a

deposit receiving... ..opening cannot confuse the user into which deposit gate the deposit item should be inserted..

A further advantage of this invention is that a single deposit gate and associated actuator can serve to protect... ..and reducing cost to need only a common print mechanism and control circuits for printing on both envelope deposits and **individual** document deposits.

A still further advantage of the invention is that while remaining compact, it can have a long read **transport** path. The long path allows a document being read to be moved sideways into good... ..the user reinsert the document.

Preferably, in the deposit mechanism according to the invention, the **transport** of documents and envelopes in the path is controlled by a computer in response to signals from a deposit item sensor. **The** deposit item sensor provides signals indicating whether the deposit item is a single document to be read before deposit or an envelope to be directly passed into the print **transport** leg of the bifurcated **transport** for printing and stacking.

The computer controls a deflector to permit envelopes to pass through the common **transport** and directly under a programmable **printer** in transit to a sequential stacking deposit cartridge of the type disclosed in U.S... ..deflector to cause a deposit item to be diverted into a read portion of the **transport** path when the deposit item is a thin single sheet individual check. After entering the... ..direction of document motion tend to move the document toward a registration edge before the **document** passes the read head. After passing the read head, the document returns to the common **transport** at a point just past the sensor and traveling in the same direction as it traveled when first inserted. This **permits** the document to be recirculated in the event that the document was not adequately aligned for good reading. As the document... ..accomplished, the computer controls the deposit item deflector to pass the check into the print **transport** path under the programmable printer and into the deposit cartridge. In the event that proper re-entered the common **transport** path. By reversing the common **transport** the document is moved backwards out through the input opening gate.

Other objects and advantages... ..envelopes and checks therein in the sequence of their receipt. The safe 15 has a **rotary** gate 17 in one side which is opened or closed by an electromagnet actuator under control of computer 9 and the logic and programs of an automatic teller **machine** or a keyboard display, in order to control which users are granted access to use... ..responds to signals from sensor 20 and read head 131 to control the operation of **the transport** belts and **rollers** and to control deflector 41.

Referring now to Figure 2, a more detailed description of the depository mechanism of this invention, and particularly the common **transport** path while accepting a deposit, will be set **forth**. Immediately adjacent to rotary gate 17 is the thickness sensing rolls 21, 23 which accept deposit item 10 in the nip therebetween. Thickness sensing rolls 21, 23 are moved apart from each other... ..thickness of the deposit item 10 and therefore sense the thickness of the item using **well** known means not described.

Adjacent and co-acting with the deposit thickness sensing rolls is the common **transport** path. The common **transport** path has rolls 25 and 27 and a belt 29 constrained to rotate thereover. Rolls 25 and 27 are mounted upon spring loaded **journals** so that these rolls can move away from the common **transport** path as thicker deposit items are inserted into the common path. Co-acting with belt 29 is **transport** base plate 31 and rolls 33, 35, 37, and 39 to move the deposit item through the depository mechanism to deflector 41.

Dotted lines 30 show the position of belt 29 when **transporting** a thick envelope deposit item.

Deflector 41 is moved into the position shown in Figure 2 by an electromagnet actuator under... ..to permit a deposit envelope to pass into the print/deposit leg of the bifurcated **transport** and under programmable printer 43

having a print head 45 in a position to print... ..passing under the print head. Printer 43 may be a wire dot matrix printer, an **ink jet printer**, or any other type of printer which is able to print upon deposit items. Programmable printer 43 may for **example** be configured to print upon a label which is then **transported** and affixed to the deposit item so as to be able to print upon a... ..which can deflect to permit a relatively thick envelope deposit item to pass. After passing **under** printer 43, the deposit **item** is inserted onto a stack of previously deposited items by a mechanism as for example shown in U.S. **Patent** 4,512,263. In order to **assist in transporting** deposit items under print head 45, rolls 53 and 55 are provided to deflect the... ..necessary to keep its surface at a controlled distance from print head 45 if printing is to be directly upon the document. In the situation where printing is upon a label... ..deposit item. The rolls and belt in the immediately foregoing description comprise the print/deposit **transport leg** of the bifurcated **transport** of this invention.

The reading portions of depository mechanism 11 which function in the read leg of the bifurcated **transport and** in combination with the common **transport path**, will now be described with reference to Figure 3. In Figure 3, the deposit... ..into the nip of rolls 21, 23 which sense its thickness as the document is **transported** into the common path. If a thin single sheet of paper is detected, the logic... ..which traverses rolls 63 through 81. Belt 61 in conjunction with rolls 63 and 79 **transport** the check against guide plates 99 and 113 in the read path. Rolls 65 and... ..107 to alignment roll 125 and drive roll 127. Roll 127 further drives the check **between** guide plates 109, 111 ...position shown in broken lines to permit the deposit item to re-enter the common **transport path**.

Referring again to Figure 1 and with reference to Figure 4, the operation of... ..is placed into the deposit input opening gate 17. If the deposit item is a **check**, it is placed, **face up** with the bottom edge of the document against a registration edge 135 as shown... ..permitting the check deposit item to be pushed into the nip of rolls 21, 23 **shown** in Figure 3 for sensing the thickness of the deposit item as it is being **transported** into the common **transport path**.

Referring now to the flow chart in Figure 5, after the user has inserted... ..deposit is determined at block 205 to have been inserted and the deposit item is **transported** with deflector 41 in the down position shown in Figure 2, past programmable printer 43... ..of paper, the computer 9 at block 207 will cause deflector 41 to move up to the position shown in Figure 3 and the deposit item will be deflected into the **read path** comprising belt 61 and rolls 63 through 81. If when inserted, the bottom edge... ..the check. After the deposit items passes the read head, it re-enters the common **transport path** through gravity operated deflector 133. Once the deposit item has re-entered the common **transport path**, the computer 9 can decide at block 213 whether signals were present and if... ..not recognizable, the computer at blocks 223 or 225 decides whether to re-circulate the **document** for another attempt at reading. If, for example, less than 5 attempts at reading have been made, deflector 41 is again moved up at block 207 to the position of **Figure 3** to allow the deposit item to be re-circulated for another alignment and read attempt. If... ..133 will drop back into the position shown in Figure 2 to permit the common **transport** to be operated in the reverse direction as shown at **block 231** to return the deposit item to the user. The message is displayed on the display of an associated **automatic teller machine** advising the user that the deposit item cannot be read in the position in which it was inserted and that if it was

inserted face down, it should be re-inserted face up or if the deposit item does... ..the Figures and understood from the foregoing description of the preferred embodiment that the bifurcated **transport** of the invention having a common path, a print/deposit path and a read path...

Claims: ...11) for handling deposit items (10) which can be envelopes or single documents characterized by a single opening (17) for receiving both envelopes and single document deposit items, a common **transport** (25-39) for receiving said deposit items (10) from said opening (17), a thickness detector (20) mounted between said opening (17) and an input end (25) of said **common transport** for detecting whether a deposit item (10) is a single

document, a diverter (41) **mounted** at an output end of said common **transport** (25-39) for diverting single documents from said common **transport** to an input end of a read **transport** (61-81, 101-111) to carry a single document past a reading means (131) for reading information from said single document prior to carrying said single document to a deposit receiving means (13), or for passing directly deposit items which are envelopes to a deposit receiving means (13).

2. Deposit mechanism of claim 1 further comprising means (133) mounted at an output end of said read **transport** (61-81, 101-111) for re-entering single documents into said common **transport** (25-39).

3. Deposit mechanism of claim 1 having an aligner (121-125) mounted adjacent said read **transport** for moving each single document toward a registration edge as each single document is **transported**.

4. Deposit mechanism of claim 3 wherein the reading means (131) are mounted between said aligner (121-125) and said output end of said read **transport** (61-81, 101-111) for reading said single documents.

5. Deposit mechanism of claim 2... ..41) to again divert said single documents which were not correctly read, to said read **transport** (61-81, 101-111) for further aligning and reading.

6. Deposit mechanism of claim 1 further comprising a printer (43) mounted between said diverter (41... ..they are being placed in said deposit receiving means.

7. Deposit mechanism of claim 1 **wherein** said deposit receiving means (13) comprises a receptacle for stacking both envelopes and single documents in the sequence of their receipt. f claim 3 having a read head mounted between said aligner and said output end of said read **transport** for reading said single documents.

5. The depository of claim 4 having control means **connected** to said diverter for controlling said diverter to pass said single documents which have been **correctly** read to said deposit receiving means, said control means controlling said diverter to again divert said single documents which were not correctly read, to said read **transport** for further aligning and reading.

6. The depository of claim 5 further comprising a printer... ..and single document deposit items comprising:

a single deposit receiving means adjacent to a bifurcated **transport** for carrying envelopes directly to a deposit receptacle and alternately for carrying single documents past... ..single document deposit items;

control means responsive to said detector means for controlling said bifurcated **transport** to carry an envelope directly to a deposit receptacle, and

alternately for controlling said bifurcated **transport** to carry a single document past a reading means for reading information from said singlesaid document receptacle.

9. The depository of claim 8 wherein one leg of said bifurcated **transport** carries deposit items directly to said deposit receptacle and wherein another leg of said bifurcated **transport** carries single document deposit items past a

read means and thereafter to said first leg...

Claims: ...gekennzeichnet durch eine einzige Öffnung (17) zum Aufnehmen von Umschlagen und einzelnen Dokumenten, einen gemeinsamen **Transport** (25 - 39) zum Aufnehmen besagter Deponiergegenstände (10) von der genannten Öffnung (17), einen Dickenabfühler (20), der zwischen der genannten Öffnung (17) und einem Eingangsende (25) der genannten gemeinsamen **Transportes** (25 - 39) angeordnet ist zum Feststellen, ob ein Deponiergegenstand (10) ein einzelnes Dokument ist, einen Ablenker, der am Ausgangsende des genannten gemeinsamen **Transportes** (25 - 39) angeordnet ist zum Ablenken einzelner Dokumente aus dem genannten gemeinsamen **Transport** in ein Eingangsende eines Lesetransportes (61 - 81, 101 - 111), um ein einzelnes Dokument an einer... ...des genannten Lesetransportes (61 - 81, 101 - 111) zum Wiedereintritt einzelner Dokumente in den genannten gemeinsamen **Transport** (25 - 39) angeordnet sind.

3. Deponiermechanismus nach Anspruch 1, der einen Ablenker (121 - 125) aufweist, der dem genannten Lesetransport benachbart angeordnet ist zum **Transport** eines jeden der einzelnen Dokumente gegen eine Ausrichtkante, wenn jedes einzelne Dokument transportiert wird.

4...

Claims: ...depose a la fois sous forme d'enveloppes et de documents seuls, un dispositif de **transport** commun (25-39) pour recevoir lesdits objets depose (10) depuis ladite ouverture (17), un detecteur... ...20) monte entre ladite ouverture (17) et une extremite d'entree (25) dudit dispositif de **transport** commun pour detecter si un objet depose (10) est un document seul, un dispositif de deviation (41) monte a une extremite de sortie dudit dispositif de **transport** commun (25-39) pour devier les documents seuls dudit dispositif de **transport** commun en direction d'une extremite d'entree d'un dispositif de **transport** a lecture (61-81, 101-111) afin de faire passer un document seul devant un... ...comprenant en outre un moyen (133) monte a une extremite de sortie dudit dispositif de **transport** a lecture (61-81, 101-111) pour faire reentrer les documents seuls dans ledit dispositif de **transport** commun (25-39).

3. Dispositif de depot selon la revendication 1, comportant un dispositif d'alignement (121-125) monte adjacent audit dispositif de **transport** a lecture pour deplacer chaque document seul vers un bord d'alignement lors du **transport** de chaque document seul.

4. Dispositif de depot selon la revendication 3, dans lequel les... ...entre ledit dispositif d'alignement (121-125) et ladite extremite de sortie dudit dispositif de **transport** a lecture (61-81, 101-111) pour lire lesdits documents seuls.

5. Dispositif de depot... ...nouveau lesdits documents seuls, qui n'ont pas ete correctement lus, vers ledit dispositif de **transport** a lecture (61-81, 101-111) pour un nouvel alignement et une nouvelle lecture.

6...

; d s

| Set | Items | Description |
|-----|-------|---|
| S1 | 137 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR ATMS |
| S2 | 5721 | S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ? OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION |
| S3 | 2694 | S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR TAKE) ()OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW?? |
| S4 | 691 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? |
| S5 | 2179 | S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT OR DISPENS??? |
| S6 | 608 | S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT??? |
| S7 | 9 | S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION OR NUMBER OR ACCOUNT OR ADDRESS OR TOTAL OR AMOUNT OR RESPONSE OR PROOF()DEPOSIT) (7N) (ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ?) |
| S8 | 36 | S (SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? OR DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM? ? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?)) (7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N) (LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE? ? OR SITE? ?) |
| S9 | 537 | S JAM OR JAMMED OR BLOCK OR BLOCKAGE OR STUCK OR STOPPAGE OR WEDGE? ? OR OBSTRUCTION |
| S10 | 12 | S (INKJET OR INK()JET OR INK) () PRINTER OR INK()NOZZLE? ? |
| S11 | 74 | S WIPER? ? OR VESSEL? ? |
| S12 | 0 | S PROOF()DEPOSIT |
| S13 | 592 | S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION OR NUMBER OR ACCOUNT OR ADDRESS OR TOTAL OR AMOUNT OR RESPONSE OR PROOF()DEPOSIT) |
| S14 | 36 | S S2 (3N) S3 |
| S15 | 4 | S S1 AND S14 |
| S16 | 4 | RD (unique items) |
| S17 | 693 | S (S4 OR S6) (3N) (S5 OR S4) |
| S18 | 5 | S S1 AND S17 |
| S19 | 5 | S S18 NOT S16 |
| S20 | 5 | RD (unique items) |
| S21 | 4 | S S1 AND S9 |
| S22 | 4 | S S21 NOT (S16 OR S20) |
| S23 | 4 | RD (unique items) |
| S24 | 4 | S S1 AND (S9 OR S10 OR S11) |
| S25 | 0 | S S24 NOT (S16 OR S20 OR S23) |
| S26 | 9 | S S1 AND S13 |
| S27 | 8 | S S26 NOT (S16 OR S20 OR S23) |
| S28 | 8 | RD (unique items) |

16/5/1 Links

TecInfoSource

(c) 2007 Info.Sources Inc. All rights reserved.

02552798

Document Type: Company

NCR Corp (552798)

1700 S Patterson Blvd

Dayton , OH 45479 United States

Telephone: (937) 445-1936

Toll Free Telephone Number: (800) 225-5627

Homepage: <http://www.ncr.com>

EMAIL: info@ncr.com

TICKER: NYSE : NCR

File Segment: Directory

Contact: Sales Department

Organization Type: Corporation

Equity Type: Public

Status: Active

NCR Corporation, founded in 1884, develops retail store automation, banking self-service, check processing, data warehouse, and other business hardware and software. The firm also provides clients with NCR and third-party technology support services. The company's Teradata (R) division develops enterprise data warehousing systems. The products support the integration of accounts payable and receivable, invoicing, sales, customer, human resources, payroll, inventory, and other distributed business information. The systems optimize pricing, marketing, sales analysis, customer support, risk management, and other processes. Teradata products integrate with third-party business applications. The division's technology is employed by organizations across the manufacturing, financial services, health care, retail, telecommunications, and government sectors. NCR's financial self-service **ATM** units automate **check** processing and **cash dispensing** operations. The company's self-checkout, self-ticketing, and kiosk units streamline retail operations. Collectively, the company's self-service units process 23 billion transactions per year. NCR also provides customers with the Systemedia printer consumables products.

Number of Employees: 30,100

Sales: 2,147,483,647

Date Founded: 1884

Descriptors: Data Mining; Data Warehouses; Image Storage; POS (Point of Sale)

Revision Date: 20070313

20/5/1 Links

TecInfoSource

(c) 2007 Info.Sources Inc. All rights reserved.

02763187

Document Type: Company

Wincor Nixdorf Group (763187)

Heinz-Nixdorf-Ring 1
Paderborn , GE D-33106 Germany
Telephone: (49) 5251 693 30
FAX: (49) 5251 693 67 67
Homepage: <http://www.wincor-nixdorf.com>
EMAIL: info@wincor-nixdorf.com

File Segment: Directory

Contact: Sales Department
Status: Active

Wincor Nixdorf Group, based in Paderborn, Germany, provides clients across the retail, banking, hospitality, and industrial sectors with software, hardware, and technical support services. The firm focuses on the management of branch networks. It provides banks with automated teller, transaction processing, and other automation and self-service systems. The firm's products support Internet and telephone-based banking operations. Wincor Nixdorf is known for its ProClassic/Enterprise self-service sales software. It provides retailers with point-of-sale (POS), shelf labeling, bottle and container return management, and other systems. The firm's products streamline supply chain management operations. Wincor Nixdorf also offers organizations call screening, IT administration, and other support services. The company employs over 6,000 people across 90 countries. It had revenues of \$2 billion in fiscal year 2003/2004. Shares are traded on the Frankfurt Stock Exchange. Wincor Nixdorf has subsidiaries in 30 countries. In Germany, it leads the ATM and POS system market. Globally, it is ranked third in the market. Wincor Nixdorf originally was part of Nixdorf Computer AG, acquired by Siemens AG in 1990. Siemens Nixdorf Retail und Banking Systems GmbH was incorporated in 1998 and acquired by Kohlberg Kravis Roberts and Goldman Sachs Capital Partners in 1999. It was launched as an independent business in the same year. Wincor Nixdorf maintains production facilities in Germany and Singapore. Its U.S. unit, Wincor Nixdorf Incorporated, is based in Austin, Texas. Wincor Nixdorf Group is focusing on expanding its market base in Europe, Asia, and the Americas.

Sales: NA

Descriptors: ATMs; Banks; Consulting for Design & Programming; Document Generators; E-Banking; Logistics; Point of Sale; Sales & Service; Supply Chain Management

Revision Date: 00000000

20/5/3 Links

TecInfoSource

(c) 2007 Info.Sources Inc. All rights reserved.

00160156 **Document Type:** Review

Product Names: ATMs (846953)

Title: The Envelope-Free ATM

Author: Sidel, Robin; McDonald, Ian

Source: Wall Street Journal , v247 n107 pB1(2) May 8, 2006

ISSN: 0193-2241

Homepage: <http://www.wsj.com>

File Segment: Review

Record Type: Product Analysis

Russian ATMs (**automated teller machines**) can do many things that U.S. machines can't, including dissemination of cash that has been converted from one currency to another. In the U.S., the leading ATM makers are promoting a new generation of machines that allow customers to deposit cash or checks without an **envelope**. The new machines would read checks and count cash automatically and can show an image of the check on the screen and print an image of the deposited check on a customer receipt. Bank executives were very impressed with an NCR representative's demonstration of such technology at an industry conference. The new machines are not only slick looking, but could also save banks millions of dollars by scanning check images and eliminating the need to carry around paper throughout the country for processing. TowerGroup, a consultancy and a unit of MasterCard International, estimated that in 2005 **envelope deposits** made at ATMs and tellers cost about \$1.70 each to process, but electronically scanned versions cost 40 cents while making checks also clear faster for customers. Banks that have already deployed such machines include Wells Fargo & Company and PNC. JP Morgan Chase purchased over a thousand of the old models, and Bank of America plans to deploy about 1,500 new machines by the end of 2006.

Company Name: TecTerms (999999)

Descriptors: Banks; Check Processing; Personal Finance; Scanners

Revision Date: 20070300

28/5/3 Links

TecInfoSource

(c) 2007 Info.Sources Inc. All rights reserved.

00148068

Document Type: Review

Product Names: RFID (846902); Privacy (838136)

Title: Use of RFID Raises Privacy Concerns

Author: Vijayan, Jaikumar

Source: Computerworld , v37 n35 p5(1) Sep 1, 2003

ISSN: 0010-4841

Homepage: <http://www.computerworld.com>

File Segment: Review

Record Type: Product Analysis

Grade: Product Analysis, No Rating

At a recent California state legislative hearing, Beth Givens, director of the Privacy Rights Clearinghouse, which is an advocacy organization, told legislators that radio-frequency identification (RFID) needs public policy assessment because it is transparent and can allow profiling and location tracking of consumers without their knowledge or consent. When RFID tags are placed on consumer products, merchants will be able to capture personal information on shoppers, said Givens. For instance, **information** on RFID **tags** could be obtained from store readers to find out where a consumer bought goods or the cost of those goods. Each RFID **tag** has unique **information** that could be captured by multiple types of readers and used to track the activities of an individual through tollbooths, public transportation, and airports, says Givens. Development and implementation of RFID has proceeded without public policy scrutiny, she says, but a formal technology assessment process is needed and should be conducted by an objective organization made up of all stakeholders, including consumers. Liz McIntyre, spokesperson for Consumers Against Supermarket Privacy Invasion and Numbering, agrees, saying the society can become a terrifying place

without oversight on RFID. The Association for Automatic Identification and Data Capture Technologies has created a workgroup that is studying privacy concerns related to RFID. The Web site of the organization says RFID is no more invasive than cell phones, toll tags, credit cards, use of **ATM** machines, and access control badges.

Company Name: TecTerms (999999)

Special Feature: Charts

Descriptors: AutoID; Government Regulations; Privacy; RFID

Revision Date: 20031030

[File 2] **INSPEC** 1898-2007/Jul W1
(c) 2007 Institution of Electrical Engineers. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2007/Jun
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 65] **Inside Conferences** 1993-2007/Jul 13
(c) 2007 BLDSC all rts. reserv. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Jun
(c) 2007 The HW Wilson Co. All rights reserved.

[File 474] **New York Times Abs** 1969-2007/Jul 14
(c) 2007 The New York Times. All rights reserved.

[File 256] **TecInfoSource** 82-2007/Jul
(c) 2007 Info.Sources Inc. All rights reserved.

[File 475] **Wall Street Journal Abs** 1973-2007/Jul 15
(c) 2007 The New York Times. All rights reserved.

[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13
(c) 2002 The Gale Group. All rights reserved.
**File 583: This file is no longer updating as of 12-13-2002.*

[File 6] **NTIS** 1964-2007/Jul W3
(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 8] **Ei Compendex(R)** 1884-2007/Jul W2
(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jul W3
(c) 2007 The Thomson Corp. All rights reserved.

[File 139] **EconLit** 1969-2007/Jun
(c) 2007 American Economic Association. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec
(c) 2006 The Thomson Corp. All rights reserved.

[File 485] **Accounting & Tax DB** 1971-2007/Jul W2
(c) 2007 ProQuest Info&Learning. All rights reserved.

; d s

Set Items Description

S1 113347 S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC() TELLER? ? OR ATM OR

ATMS

S2 2376845 S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR
 COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ?
 OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION
 S3 8712983 S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR
 TAKE) () OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW??
 S4 653544 S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? OR ITEM? ?
 S5 1674234 S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY() POINT
 OR DISPENS???
 S6 1538258 S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT???
 S7 140135 S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR
 IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION OR NUMBER OR
 ACCOUNT OR ADDRESS OR TOTAL OR AMOUNT OR RESPONSE OR PROOF() DEPOSIT)
 S8 13779 S (SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? OR
 DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM?
 ? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?))
 (7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N)
 (LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE?
 ? OR SITE? ?)
 S9 642412 S JAM OR JAMMED OR BLOCK OR BLOCKAGE OR STUCK OR STOPPAGE OR WEDGE? ? OR
 OBSTRUCTION
 S10 2508 S (INKJET OR INK() JET OR INK) () PRINTER OR INK() NOZZLE? ?
 S11 337634 S WIPER? ? OR VESSEL? ?
 S12 2 S PROOF() DEPOSIT
 S13 41843 S S2 (3N) S3
 S14 657997 S (S4 OR S6) (3N) (S5 OR S4)
 S15 1800 S S7 (5N) S4
 S16 37 S S8 (5N) S4
 S17 24 S S8 (5N) S9
 S18 2975 S S1 AND S13
 S19 236 S S18 AND S14
 S20 1 S S19 AND S15
 S21 0 S S19 AND S16
 S22 0 S S19 AND S17
 S23 4 S S19 AND S8
 S24 18 S S19 AND S9
 S25 18 S S24 AND S1
 S26 18 S S25 NOT (S20 OR S23)
 S27 1 S S18 AND S10
 S28 1 S S19 AND S11
 S29 1 S S28 NOT (S27 OR S20 OR S23)

26/5/4 (Item 3 from file: 485) [Links](#)

Accounting & Tax DB

(c) 2007 ProQuest Info&Learning. All rights reserved.

**** FULL-TEXT AVAILABLE IN FORMATS 7 AND 9 ****

01043800 **Supplier Number:** 1006551031

Remote Deposit Capture Hot just got hotter

Valentine, Lisa

American Bankers Association. ABA Banking Journal v98 n3 pp: 30-32, 34, 36, 51 Mar 2006

ISSN: 0194-5947 **Journal Code:** BNK

Document Type: Periodical **Article Type:** Cover Story

Language: English **Special Feature:** Illustrations **CODEN:** ABAJD5

Word Count: 3261 **Line Count:** 296

Abstract:

There usually are no many surprises in banking. New products and services appear from time to time, but their adoption rates are more a gradual fade-in than sweeping takeover. Such is the case with remote deposit capture, a service that is so demanded by corporate customers that marketing it is largely unnecessary. Remote deposit capture enables businesses to scan checks at their location, electronically **depositing** the items without having to set foot in a branch or visit an **ATM**. What is surprising is the impact this service is having on the small and medium-sized business market. Small banks also see value in offering it, both as a defensive and an offensive measure. But it is somewhat risky to install a bank function at a site not controlled by the bank, which may account for the reluctance of some banks to commit. Banks have to be careful where they put remote deposit capture and ask themselves if the environment is appropriate to support the service.

Geographic Names: United States--US

Descriptors: Bank deposits; Bank services; Electronic banking; Community banks; Small business banking; Check imaging

Classification Codes: 9190 (CN=United States); 9520 (CN=Small business); 8100 (CN=Financial services industry); 5250 (CN=Telecommunications systems & Internet communications);

26/5/8 (Item 7 from file: 485) [Links](#)

Accounting & Tax DB

(c) 2007 ProQuest Info&Learning. All rights reserved.

**** FULL-TEXT AVAILABLE IN FORMATS 7 AND 9 ****

00793788 **Supplier Number:** 69560392

Card fraud plagues Europe

Rolfe, Richard
Credit Card Management v13 n12 pp: 60-64 Mar 2001
ISSN: 0896-9329 Journal Code: CCM
Document Type: Periodical Article Type: Feature
Language: English
Word Count: 2595 Line Count: 236

Abstract:

Card-related crime is the fastest growing criminal activity in the United Kingdom, and, throughout Europe, payment card systems are under unprecedented attack from well-organized and well-financed criminal gangs. Combating payment-card fraud resembles a high-stakes, global chess game, where the protagonists - banks, card associations, and the police - continually strive to outflank their nimble opponents. A new major concern is that the techniques criminals now use to compromise credit or debit cards in **automated teller machines** or at the point of sale have shifted the burden of proof in the event of a disputed or "phantom" **ATM** withdrawal. Complicating matters further is the failure of legal systems to move with the times.

Geographic Names: Europe; United Kingdom; UK
Descriptors: Credit card fraud; Organized crime; Fees & charges; Law enforcement
Classification Codes: 8120 (CN=Retail banking); 4300 (CN=Law); 9175 (CN=Western Europe);

27/5/1 (Item 1 from file: 583) [Links](#)
Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rights reserved.
04936078

Les banques francaises dans la course a la productivite

FRANCE - NEW COMPUTER PRODUCTS FOR BANKING SECTOR
Monde Informatique (LMI) 24 February 1992 p5
ISSN: 0242-5769
Language: French

With banks in France anxious to improve productivity with the advent of the single European market, computer manufacturers are introducing new products for the banking sector. NCR (US), specialist in self-service banking products, has introduced the NCR 5100 Gazelle, a compact, multi-service machine with a flat VGA screen, a reader for cards with magnetic tracks, a cheque reader, and a card printer. NCR intends to add a second screen, a smart card reader and an **ink-jet printer** to the 5100 Gazelle before the end of 1992. Meanwhile Bull (France) has introduced the Questar 1460, a self-service terminal for use inside bank branches. Forming part of Bull's Questar SST range, the Questar 1460 is designed to provide information on bank accounts. Olivetti (Italy), computer manufacturer, has introduced a system that replaces cashiers' desks in bank branches with automatic equipment. The system is already

being used in nearly 100 bank branches in Italy. In France, talks are under way with a regional Credit Agricole bank regarding the experimental use of such a system in a bank branch in western France.

Company: NCR; BULL; OLIVETTI

Product: Data Processing in Finance Sector (7374FI); Computer Services (COSV); **Cash Dispensers/ATM Systems** (3573CD);

Event: NEW PRODUCT EXTENSION (33); PRODUCT REVIEW (30);

Country: France (4FRA); Northern Europe (414); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

[File 15] **ABI/Inform(R)** 1971-2007/Jul 16
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 16] **Gale Group PROMT(R)** 1990-2007/Jul 13
(c) 2007 The Gale Group. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Jul 11
(c)2007 The Gale Group. All rights reserved.
**File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.*

[File 160] **Gale Group PROMT(R)** 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Jul 11
(c) 2007 The Gale Group. All rights reserved.

[File 621] **Gale Group New Prod.Annou.(R)** 1985-2007/Jul 11
(c) 2007 The Gale Group. All rights reserved.

; d s

| Set | Items | Description |
|-----|----------|---|
| S1 | 334580 | S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?) OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR ATMS |
| S2 | 13623344 | S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ? OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION |
| S3 | 5828600 | S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR TAKE) ()OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW?? |
| S4 | 2335879 | S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? OR ITEM? ? |
| S5 | 6971476 | S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT OR DISPENS??? |
| S6 | 1810757 | S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT??? |
| S7 | 876237 | S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION?? OR NUMBER? ? OR ACCOUNT? ? OR ADDRESS? ? OR TOTAL? ? OR AMOUNT? ? OR RESPONSE OR PROOF()DEPOSIT) |
| S8 | 16761 | S (SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? OR DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM? ? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?)) (7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N) (LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE? ? OR SITE? ?) |
| S9 | 930991 | S JAM OR JAMMED OR BLOCK OR BLOCKAGE? ? OR STUCK OR STOPPAGE? ? OR WEDGE? ? OR OBSTRUCTION? ? |
| S10 | 18903 | S (INKJET OR INK()JET OR INK) () PRINTER OR INK()NOZZLE? ? |
| S11 | 232350 | S WIPER? ? OR VESSEL? ? |
| S12 | 2 | S PROOF()DEPOSIT |
| S13 | 178824 | S S2 (3N) S3 |
| S14 | 2359148 | S (S4 OR S6) (3N) (S5 OR S4) |
| S15 | 24606 | S S7 (5N) S4 |
| S16 | 243 | S S8 (5N) S4 |
| S17 | 53 | S S8 (5N) S9 |
| S18 | 8752 | S S1 (S) S13 |

| | | |
|-----|--------|-------------------|
| S19 | 554 | S S18 (S) S14 |
| S20 | 1 | S S19 (S) S15 |
| S21 | 16 | S S19 (S) S7 |
| S22 | 12 | RD (unique items) |
| S23 | 1 | S S18 (S) S8 |
| S24 | 951350 | S S9 OR JAMS |
| S25 | 2504 | S S4 (3N) S24 |
| S26 | 2 | S S1 (10N) S25 |
| S27 | 1 | RD (unique items) |
| S28 | 1 | S S19 AND S10 |
| S29 | 4 | S S19 AND S11 |
| S30 | 4 | RD (unique items) |

20/3,K/1 (Item 1 from file: 160) Links
Gale Group PROMT(R)
(c) 1999 The Gale Group. All rights reserved.
00997447

Operations/Technology: IBM Unveils Advanced Teller Machine.

American Banker December 7, 1983 p. 11

International Business Machines introduced an **ATM** that reads the **check** and **dispenses** exact change. IBM's new 4730 Personal **Banking Machine** is the 1st **automatic teller machine** that reads a check's magnetic ink character recognition line, providing routing and transit numbers....

...If authorization is granted, the 4730 will dispense the exact amount of the check. No **deposit** slips or **envelopes** are required. The **ATM prints** date, time, **account number**, and amount keyed in by the customer directly on the check, simplifying the bank's proofing process. The **ATM** will not process a transaction if codes are tampered with during transmission.

22/3,K/1 (Item 1 from file: 15) Links
ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rights reserved.
00516402 90-42159

ATMs Are No Longer Mere Cash Dispensers

Pels, Mary Ann
Credit Union Magazine v56n9 pp: 49-50
Sep 1990
ISSN: 0011-1066 Journal Code: CUG

Abstract:

Automated teller machines (ATM) may be the best gauges of how swiftly a credit union's members have adjusted...

...1989, which is more than double the number 5 years ago. With widespread consumer acceptance, **ATM** vendors are developing applications that go beyond **cash dispensing**. The label "**ATM**" is becoming outdated as more manufacturers adopt the term "self-service terminal." Although the **ATM's** primary function is still to provide financial services, the sophistication of some machines is widening the scope of services available. **Personal banking machines (PBM)**

allow consumers to purchase such services as traveler's checks and subway tickets. IBM can outfit PBMs to issue noncash items, perform bill-payer functions, and cross-sell.

22/3,K/2 (Item 1 from file: 16) [Links](#)

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

09785830 **Supplier Number: 86126163 (USE FORMAT 7 FOR FULLTEXT)**

Tyndall Federal Credit Union Installs Wincor Nixdorf's compactBANK; Full-Featured ATMS Enable Branch-Banking Services in a Self-Service System.

Business Wire , p 0218

May 21 , 2002

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 883

...the industry's most successful ATM that delivers branch-banking services, including the ability to **deposit** and **dispense cash** and **coins**; load/unload electronic purse; process passbooks, including withdrawals, deposits and updates; **print account** statements, receipts and other documents; read barcodes; and deposit cash and other valuable documents. The compactBANK is based on Wincor Nixdorf's ProCash 2100 **ATM** and comes with an encrypted PIN pad and a 15" LCD.

As the leader in...

22/3,K/3 (Item 2 from file: 16) [Links](#)

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

09146014 **Supplier Number: 79740640 (USE FORMAT 7 FOR FULLTEXT)**

FAO ATM A-OK.

Bank Technology News , v 14 , n 11 , p 7

Nov , 2001

Language: English **Record Type:** Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 141

(USE FORMAT 7 FOR FULLTEXT)

Text:

...FAO Schwarz announced it will offer in its Fall 2001 "Ultimate Toy Catalogue" a customized **ATM**, courtesy of Access To Money. The

inclusion of the very high-tech, big-ticket "toy" continues FAO's tradition of selling unique luxury items, according to the company. Access To Money, an ATM distributor headquartered in New Jersey, will provide and install the Triton 9600 ATM at the homes of FAO Schwarz customers who purchase the machine. The cash machines will bear personalized labels and insignia and will come with 10 ATM cards that can be used to dispense real or play money. Access To Money also will provide processing and support to those purchasers who wish to operate their ATM as part of an ATM network.

22/3,K/4 (Item 3 from file: 16) Links

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

07344339 Supplier Number: 62167110 (USE FORMAT 7 FOR FULLTEXT)

On-Line Banking: Web Teeming with Banks Seeking Niches.

Ptacek, By Megan J.

American Banker, v 165, n 96, p 12

May 18, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 1710

(USE FORMAT 7 FOR FULLTEXT)

Text:

...there are virutally no fees -- free bill-pay, free checking, free account research, free worldwide ATM withdrawal, free money transfers, free stop-payments, free cashiers' checks, free statement and check reprints, no-annual-fee...

...of industry firsts," and she listed seven. One was BowieBanc, "the country's first private-label bank," which she said "provides customers with the look and feel of a rock star...address the problem by offering rebates to customers who incur surcharges by using other institutions' automated teller machines. Other perks include free online bill payment services, ACH transfers, and bank-by-mail envelopes. The online banks with large parent companies have an enormous advantage when it comes to...

...in March to buy Portland, Ore.-based Card Capture Services Inc., operator of an independent ATM network, has said it will give customers unlimited, surcharge-free access to the more than 8,500 ATMs connected by that network. Security First Network Bank gained a distribution network when its parent...

22/3,K/5 (Item 4 from file: 16) [Links](#)

Gale Group PROMT(R)

(c) 2007 The Gale Group. All rights reserved.

04891844 **Supplier Number:** 47195192

PNC introduces advanced ATMs at two sites.

Benmour, Eric

Business First-Louisville , p 12

March 10 , 1997

Language: English **Record Type:** Abstract

Document Type: Magazine/Journal; Tabloid ; Trade

Abstract:

PNC Bank, Kentucky Inc. has launched two hi-tech **ATMs** which can do additional services which ordinary **ATMs** cannot, like encash checks, divide **deposits** between accounts, **dispense** withdrawals to the **coins**, and get change from large bills for lesser deposits. The new machines are separately located...

...Shelbyville Road, and the PNC branch at 1900 S. Third St., in Louisville, KY. The **ATM** can also, **print** the **account's** up to 100th most recent transactions made. The bank hopes to encourage more new customers...

22/3,K/6 (Item 1 from file: 148) [Links](#)

Gale Group Trade & Industry DB

(c) 2007 The Gale Group. All rights reserved.

0022437924 **Supplier Number:** 166320439 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Smart Card Marketing Systems, Inc. (SMKG) SqueezeTrigger Price is \$0.057. Approximately 10.7 million Shares Shorted Since March 2006 According to Buyins.net Research Report.

M2 Presswire , NA

July 12 , 2007

Language: English

Record Type: Fulltext

Word Count: 1848 **Line Count:** 00162

...various products and services, including cheque processing, clearing, and imaging direct to their corporate bank **account**; generic or private **label** prepaid MasterCard; instant issue re-loadable debit cards; activation, reloading, and fulfillment services; instant money...

22/3,K/7 (Item 2 from file: 148) [Links](#)

Word Count: 2048 Line Count: 00174

...various products and services, including cheque processing, clearing, and imaging direct to their corporate bank **account**; generic or private **label** prepaid MasterCard; instant issue re-loadable debit cards; activation, reloading, and fulfillment services; instant money...

22/3,K/10 (Item 5 from file: 148) [Links](#)

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

0021524931 **Supplier Number: 155426923 (USE FORMAT 7 OR 9 FOR FULL TEXT)**

NRPH, NWBT, OMRI, PARL, RSMI, SMKG Have Also Been Removed From Naked Short List Today.

M2 Presswire , NA

Dec 4 , 2006

Language: English

Record Type: Fulltext

Word Count: 2090 Line Count: 00180

...various products and services, including cheque processing, clearing, and imaging direct to their corporate bank **account**; generic or private **label** prepaid MasterCard; instant issue re-loadable debit cards; activation, reloading, and fulfillment services; instant money...

22/3,K/11 (Item 6 from file: 148) [Links](#)

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

15163254 **Supplier Number: 93972792 (USE FORMAT 7 OR 9 FOR FULL TEXT)**

Wincor Nixdorf to Showcase The Branch of Tomorrow at BAI's Retail Delivery Conference and Expo.

Business Wire , 0282

Nov 5 , 2002

Language: English

Record Type: Fulltext

Word Count: 435 Line Count: 00058

...
check images; load and unload an electronic purse; process passbooks, including withdrawals, deposits and updates; **print account** statements, cashier's checks, receipts and other documents; accept bulk deposits; and much more.

-- ProCash...

22/3,K/12 (Item 1 from file: 160) [Links](#)
Gale Group PROMT(R)
(c) 1999 The Gale Group. All rights reserved.
00997447

Operations/Technology: IBM Unveils Advanced Teller Machine.

American Banker December 7, 1983 p. 11

International Business Machines introduced an **ATM** that reads the **check** and **dispenses** exact change. IBM's new 4730 Personal **Banking Machine** is the 1st automatic teller machine that reads a check's magnetic ink character recognition line, providing routing and transit numbers...

...If authorization is granted, the 4730 will dispense the exact amount of the check. No **deposit** slips or **envelopes** are required. The **ATM** prints date, time, **account number**, and amount keyed in by the customer directly on the check, simplifying the bank's proofing process. The **ATM** will not process a transaction if codes are tampered with during transmission.

27/3,K/1 (Item 1 from file: 160) [Links](#)
Gale Group PROMT(R)
(c) 1999 The Gale Group. All rights reserved.
01737455

"SUBJECT IVE" INSPECTION ELIMINATED WITH THE BREVETTI ATM 32

News Release April 28, 1987 p. 1

...and provides comprehensive data on inspected/rejected containers, machine stoppages and production hours. The Brevetti **ATM 32** is available, wired for UK power supply, from sole agents ACM Machinery Ltd.
Full...

30/3,K/1 (Item 1 from file: 15) [Links](#)
ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rights reserved.
03158361 1176088751
Payments: 2005 Developments

Veltri, Stephen C; Cavanagh, Greg; Turner, Paul S

Business Lawyer v61n4 pp: 1571-1590

Aug 2006

ISSN: 0007-6899 Journal Code: BLW

Word Count: 10897

Text:

...collection practices. One of these revisions treats a collecting bank as a holder of an **item** even though the **item** has not been indorsed.⁸¹ Banks today frequently take checks for collection through **automated teller machines** and lockboxes where no teller can assure an **item** has been indorsed. Before the revision, banks had to supply their customers' indorsements on these...

...but mistakenly credited it to Federal-Mogul's account, not the supplier's.⁸⁵ The **check** was duly **presented** to Mellon and was paid. When the supplier complained that it had not received payment...

...the Code in 1990, Bank of America became a holder of the check when the **item** was delivered to the bank for collection pursuant to the lockbox arrangement the bank had...

...check. The depository bank warrants to the drawer that the funds collected against an unindorsed **item** will be credited to the proper customer account.⁹¹ Therefore, Verizon's claim under the...Pty Ltd.,¹⁸³ the court appropriately considered funds transfer policy. A ship owner chartered a **vessel** to an Australian company that rejected the **vessel** as unfit. The ship owner initiated arbitration proceedings to resolve the dispute in London, claiming...

...proceeding for similar damages and obtained an order from a court in Singapore arresting the **vessel**. In response, the ship owner filed an action in federal district court in New York...

30/3,K/2 (Item 2 from file: 15) **Links**

ABI/Inform(R)

(c) 2007 ProQuest Info&Learning. All rights reserved.

01302635 99-52031

Here come the super-ATMs

Guglielmo, Connie

Fortune v134n7 pp: 232-234; European 143-144

Oct 14, 1996

ISSN: 0015-8259 Journal Code: FOR

Word Count: 842

Abstract:

...scanners that use a weak laser to identify users by the unique pattern of blood **vessels** inside the eye.

Text:

...After entering a personal identification number, a customer can insert a check directly into a **slot**, without an **envelope**. A digitized picture of the check appears on the ATM screen while the machine reads the handwritten amount. The customer can then cash all or part of the **check** -- the machine **dispenses coins** -- or split the deposit among different accounts.

BankBoston, formed by the merger this year of...

...is finding its way into all kinds of places. Sailors aboard some U.S. Navy **vessels** use ATMs by NCR that provide a pay-splitting option. They let the sailor deposit...

...scanners that use a weak laser to identify you by the unique pattern of blood **vessels** inside your eye. Other security-oriented bells and whistles, like screen-within-a-screen video...

30/3,K/4 (Item 2 from file: 148) **Links**

Gale Group Trade & Industry DB

(c)2007 The Gale Group. All rights reserved.

08990334 **Supplier Number:** 18716539 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Here come the super-ATMs.(new capacities of automated teller machines)

Gugliemo, Connie

Fortune , v134 , n7 , p232(2)

Oct 14 , 1996

ISSN: 0015-8259

Language: English

Record Type: Fulltext; Abstract

Word Count: 852 **Line Count:** 00068

```
; d s
Set      Items  Description
S1      153704  S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S2      18087741 S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR
COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ?
OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION
S3      7375664  S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR
TAKE) ()OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW??
S4      1779701  S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? OR ITEM? ?
S5      6904429  S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT
OR DISPENS???
S6      4088800  S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT???
S7      415780  S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR
IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION?? OR NUMBER? ? OR
ACCOUNT? ? OR ADDRESS? ? OR TOTAL? ? OR AMOUNT? ? OR RESPONSE OR PROOF()DEPOSIT)
S8      7666    S (SENS?R? ? OR DETECT??? OR SENSE? ? OR PERCEIV??? OR RECOGNI? OR
DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM?
? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?))
(7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N)
(LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE?
? OR SITE? ?)
S9      1322886  S JAM? ? OR JAMMED OR BLOCK OR BLOCKAGE? ? OR STUCK OR STOPPAGE? ? OR
WEDGE? ? OR OBSTRUCTION? ?
S10     4190    S (INKJET OR INK()JET OR INK) () PRINTER OR INK()NOZZLE? ?
S11     333166  S WIPER? ? OR VESSEL? ?
S12     2        S PROOF()DEPOSIT
S13     270853  S S2 (3N) S3
S14     1798304 S (S4 OR S6) (3N) (S5 OR S4)
S15     5183    S S7 (5N) S4
S16     87      S S8 (5N) S4
S17     17      S S8 (5N) S9
S18     9015    S S1 (S) S13
S19     391     S S18 (S) S14
S20     1        S S19 (4S) S15
S21     13      S S19 (S) S7
S22     13      RD (unique items)
S23     6        S S18 AND S8
S24     6        S S19 AND S8
S25     6        S S24 NOT (S22 OR S20)
S26     6        S S19 (S) S9
S27     5        S S26 NOT (S22 OR S20 OR S25)
S28     1        S S18 (S) S10
S29     2        S S18 (S) S11
```

20/3,K/1 [Links](#)

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

13450070 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Juniper Launches National Online and Wireless Bank and Simplifies the Consumer Banking Experience

PR NEWSWIRE

October 24, 2000

Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT

Word Count: 1008

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...U.S. locations and overnight their deposits free of charge. Using special postage-paid Juniper labels or deposit envelopes, Juniper customers may also make deposits at more than 15,000 ATMs across the country, 63,000 United Parcel Service drop locations and any United States Postal...

22/3,K/6 [Links](#)

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

50118816

620113Check 21 Makes Quicker Deposits Available to Customers of First Horizon

PRIMEZONE

July 12, 2006

Journal Code: CXPZ **Language:** English **Record Type:** FULLTEXT

Word Count: 905

...financial services provider. FTI offers financial institutions technology solutions that include: NetServ(sm), a private-label Internet banking solution; QuickPost(sm), a deposit and payment forwarding service; and PowerPost(sm), a...

22/3,K/11 [Links](#)

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

25873113 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Wincor Nixdorf to Showcase The Branch of Tomorrow at BAI's Retail Delivery Conference and Expo

BUSINESS WIRE

November 05, 2002

Journal Code: WBWE Language: English Record Type: FULLTEXT

Word Count: 622

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...check images; load and unload an electronic purse; process passbooks, including withdrawals, deposits and updates; **print account** statements, cashier's checks, receipts and other documents; accept bulk deposits; and much more. -- ProCash 2100 with Wincor's new Cash and Check Deposit Module (CCDM) - This multifunction **ATM** features the new Check/Cash Deposit Module (CCDM). The module, which is the first of...

...an add-in module for new or existing ProCash 2100, ProCash 2150 and ProCash 3100 **ATMs** from Wincor Nixdorf. -- ProCash 2350 - Designed for drive-up **ATM** banking, the ProCash 2350 is a full-function, freestanding frontload system that fits standard 42...

...With the addition of the ProCash 2350, Wincor Nixdorf now offers a complete range of **ATMs** for drive-up banking. -- ProCash 3100 with cash recycling - The industry's only cash true recycling system, the ProCash 3100 allows the **dispensing of currency** that has been deposited, thus minimizing the need for armored car services.

Wincor Nixdorf will...

25/3,K/1 Links

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

45494468 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Don't let banks deny liability

S.M. MOHAMED IDRIS

NEW STRAITS TIMES (MALAYSIA)

November 10, 2005

Journal Code: FNST Language: English Record Type: FULLTEXT

Word Count: 332

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...dispensation of his RM500 by its automated teller machine) that, according to its records, the **money** was in fact **dispensed** and referred him to the Financial Mediation Bureau if he wanted to pursue the matter. However, the bank's video recording showed that the **money** was not **dispensed** by the **ATM**.

...dispensed accordingly.

"Our ATM system was operating normally during that period and no

irregularities were **detected**. Our branch has performed a thorough **check** on the ATM and confirmed that the cash **position** is balanced." Tan's request to view the video recording on the day of the...

28/3,K/1 Links

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

06064272 (USE FORMAT 7 OR 9 FOR FULLTEXT)

BRIEFING - ASIA BANKING - JULY 6, 1999

ASIA PULSE

July 06, 1999

Journal Code: WAPL Language: English Record Type: FULLTEXT

Word Count: 681

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...to fully automate a bank's over-the-counter work. It comes equipped with an **ink-jet printer** that speedily records transactions on bankbooks.

PHILIPPINES BANKS URGED TO PREVENT Y2K BUG PROBLEMS
MANILA:...

29/3,K/2 Links

Dialog Global Reporter

(c) 2007 Dialog. All rights reserved.

03826489 (USE FORMAT 7 OR 9 FOR FULLTEXT)

NYCE Merges with Midwest System to Create Second-Largest ATM Network

Sam Ali

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (STAR-LEDGER, NEWARK, N.J)

December 22, 1998

Journal Code: KSLN Language: English Record Type: FULLTEXT

Word Count: 660

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...this virtual future."

Lest you mistakenly think that these ATM networks are simply vessels for **dispensing cash**, think again.

Today, large networks like NYCE and Magic Line enable their cash and debit...

[File 47] **Gale Group Magazine DB(TM)** 1959-2007/Jul 03

(c) 2007 The Gale group. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2007/Jul W3

(c) 2007 FIZ TECHNIK. All rights reserved.

[File 239] **Mathsci** 1940-2007/Aug

(c) 2007 American Mathematical Society. All rights reserved.

[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Jul 13

(c) 2007 The Gale Group. All rights reserved.

[File 625] **American Banker Publications** 1981-2007/Jul 16

(c) 2007 American Banker. All rights reserved.

[File 268] **Banking Info Source** 1981-2007/Jun W4

(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 626] **Bond Buyer Full Text** 1981-2007/Jul 16

(c) 2007 Bond Buyer. All rights reserved.

[File 267] **Finance & Banking Newsletters** 2007/Jul 16

(c) 2007 Dialog. All rights reserved.

[File 994] **NewsRoom 2003**

(c) 2007 Dialog. All rights reserved.

[File 995] **NewsRoom 2002**

(c) 2007 Dialog. All rights reserved.

[File 996] **NewsRoom 2000-2001**

(c) 2007 Dialog. All rights reserved.

[File 9] **Business & Industry(R)** Jul/1994-2007/Jul 10

(c) 2007 The Gale Group. All rights reserved.

[File 476] **Financial Times Fulltext** 1982-2007/Jul 15

(c) 2007 Financial Times Ltd. All rights reserved.

[File 610] **Business Wire** 1999-2007/Jul 16

(c) 2007 Business Wire. All rights reserved.

**File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 613] **PR Newswire** 1999-2007/Jul 16

(c) 2007 PR Newswire Association Inc. All rights reserved.

**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 624] **McGraw-Hill Publications** 1985-2007/Jul 13

(c) 2007 McGraw-Hill Co. Inc. All rights reserved.

**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 634] **San Jose Mercury** Jun 1985-2007/Jul 12

(c) 2007 San Jose Mercury News. All rights reserved.

[File 810] **Business Wire** 1986-1999/Feb 28

(c) 1999 Business Wire . All rights reserved.

[File 813] **PR Newswire** 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc. All rights reserved.

```
; d s
Set      Items  Description
S1       360708  S ((AUTOMATED OR AUTOMATIC) (W) (TELLER OR TRANSACTION OR SERVICE OR BANK?)
OR CASH OR MONEY OR BANK?) (W) (MACHINE? OR TERMINAL? ?) OR ELECTRONIC()TELLER? ? OR ATM OR
ATMS
S2       31823532 S CASH OR CHECK? ? OR CHEQUE? ? OR MONEY OR CERTIFICATE? ? OR COUPON? ? OR
COIN? ? OR BILL? ? OR DOLLARS OR CURRENCY OR NOTE? ? OR BANKNOTE? ? OR FUND? ? OR POUND? ?
OR EURO? ? OR YEN OR WON OR YAUN OR DENOMINATION
S3       12523533 S DISPENS??? OR DISBURS??? OR (FORK??? OR DISH??? OR SHELL OR SPIT??? OR
TAKE) ()OUT OR GIVES OR GIVING OR EJECT??? OR PRESENT??? OR WITHDRAW??
S4       3484593  S ENVELOPE? ? OR BUNDLE? ? OR CONTAINER? ? OR ITEM? ?
S5       12511699 S RECEIV??? OR SLOT? ? OR DEPOSITOR OR ACCEPTOR OR OPENING OR ENTRY()POINT
OR DISPENS???
S6       3353471  S DEPOSIT??? OR INSERT?? OR ACCEPT? ? OR RETRACTION OR RETRACT???
S7       975838  S (PRINT??? OR TAG OR TAGS OR TAGGER OR LABEL? ?) (3N) (INDICIA OR
IDENTIFICATION OR IDENTIFYING OR INFORMATION OR LABEL? ? OR TRANSACTION?? OR NUMBER? ? OR
ACCOUNT? ? OR ADDRESS? ? OR TOTAL? ? OR AMOUNT? ? OR RESPONSE OR PROOF()DEPOSIT)
S8       19762   S (SENS?R? ? OR DETECT??? OR SENSE? ? OR PERCEIV??? OR RECOGNI? OR
DISTINGUISH??? OR FIND??? OR DIAGNOS??? OR SENSING() (DEVICE? ? OR APPARATUS OR MECHANISM?
? OR ASSEMBLY OR ASSEMBLIES OR UNIT OR UNITS OR MODULE? ? OR INSTRUMENT? ? OR ELEMENT? ?))
(7N) (AFFIRM OR CHECK OR CONFIRM OR MONITOR OR TRACK? OR VALIDATE OR VERIFY) (7N)
(LOCATION? ? OR PLACEMENT? ? OR POSITION??? OR PLACE? ? OR PLACING OR SECTION? ? OR ZONE?
? OR SITE? ?)
S9       2659833 S JAM? ? OR JAMMED OR BLOCK OR BLOCKAGE? ? OR STUCK OR STOPPAGE? ? OR
WEDGE? ? OR OBSTRUCTION? ?
S10      12610   S (INKJET OR INK()JET OR INK) () PRINTER OR INK()NOZZLE? ?
S11      516716  S WIPER? ? OR VESSEL? ?
S12      4       S PROOF()DEPOSIT
S13      425908  S S2 (3N) S3
S14      3516815 S (S4 OR S6) (3N) (S5 OR S4)
S15      17183   S S7 (5N) S4
S16      245     S S8 (5N) S4
S17      65      S S8 (5N) S9
S18      16386   S S1 (S) S13
S19      788     S S18 (S) S14
S20      4       S S19 (S) S15
S21      3       RD (unique items)
S22      28      S S19 (S) S7
S23      26      S S22 AND S8
S24      19      S S23 NOT PY>2004
S25      8       S S19 (S) (S9 OR S10 OR S11 OR S12)
S26      8       RD (unique items)
S27      7       S S26 NOT (S21 OR S24)
S28      40      S S1 (10N) S9 (5N) S4
```

| | | |
|-----|----|-------------------------------|
| S29 | 40 | S S28 NOT (S21 OR S24 OR S27) |
| S30 | 14 | RD (unique items) |
| S31 | 14 | S S30 NOT PY>2004 |

21/3,K/1 (Item 1 from file: 625) [Links](#)

American Banker Publications

(c) 2007 American Banker. All rights reserved.

0022988

IBM Unveils Advanced Teller Machine

American Banker - December 7, 1983, Wednesday ; Pg. 11

Word Count: 417

Byline:

By ROBERT M. GARSSON

Text:

International Business Machines Corp. has introduced a new **automated teller machine** that will read **information** on a check, **print deposit information** on the item, and then **cash the check** -- dispensing the exact amount of change needed.

One ATM expert, Linda Fenner Zimmer of Marlborough, Conn...

21/3,K/2 (Item 1 from file: 268) [Links](#)

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00166273 (USE FORMAT 7 OR 9 FOR FULLTEXT)

ATM forum: new ATM helps Planters Bank keep lid on \$11 million payroll tab

Ritzer, Julie R.

Bank Systems & Technology , v 22 , n 11 , p 63-65 , Nov 1985 Language: English Record Type: Abstract

Abstract:

By acquiring an IBM 4730 **ATM**, which can assume 83% of its tellers' responsibilities, Planters Bank, Rocky Mount, NC, has kept payroll costs at \$11 million. Beyond performing routine **ATM** transactions, the 4730 can: 1) **dispense coins** as well as bills; 2) cash checks; and 3) accept deposits without accompanying **deposit slips** or **envelopes**, **printing vital information** on back of the check. Access to the plug-in 4730 is restricted to teller...

21/3,K/3 (Item 1 from file: 996) [Links](#)

NewsRoom 2000-2001

(c) 2007 Dialog. All rights reserved.

0154030594 157N0XW1

Juniper Launches National Online And Wireless Bank And Simplifies the Consumer Banking Experience

PR Newswire

Tuesday , October 24, 2000

Journal Code: ALSA **Language:** English **Record Type:** Fulltext

Document Type: Newswire

Word Count: 1,075

...postage-paid Juniper **labels** or **deposit envelopes**,
Juniper...

...may also make deposits at more than 15,000 **ATMs** across the

24/3,K/4 (Item 2 from file: 268) **Links**

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00209262 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Operations/technology: IBM unveils advanced teller machine

Garsson, Robert M.

American Banker , p 11 , Dec 7, 1983 **Language:** English **Record Type:** Abstract

Abstract:

The IBM 4730 Personal **Banking Machine**, a new automated teller machine: 1) will read a deposited check, print **deposit information**, and **dispense** correct **currency** and change; 2) is the first **ATM** able to read the check's magnetic ink character recognition (MICR) line and **dispense coins**; 3) costs \$20,300 for the "basic single-console configuration" with extra costs for special features such as the **coin dispenser**; and 4) is capable of being expanded.

24/3,K/5 (Item 3 from file: 268) **Links**

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00209137 (USE FORMAT 7 OR 9 FOR FULLTEXT)

With automated teller machines in place, bankers should now be asking: 'what will come next?'

Briggs, Alden

American Banker , p 22-23 , Dec 12, 1983 **Language:** English **Record Type:** Abstract

Abstract:

Extensions of self-service banking, now that customers have become familiarized with **ATMs**, include: 1) machines which **print account** statements and other information; 2) optical currency readers which reduce customer anxiety about depositing cash in a machine; 3) machines capable of **dispensing** food stamps, **money** orders, and other non-cash **items**; 4) alphabetic keyboards which widen the range of transactions; 5) adaptation of **ATMs** to accommodate chip cards; 6) provision of statement displays, marketing information, transaction status, and other data via **ATMs**; and, 7) access to data bases outside the bank (including brokerage accounts, stock quotations, insurance...

24/3,K/6 (Item 4 from file: 268) [Links](#)

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00205061 (USE FORMAT 7 OR 9 FOR FULLTEXT)

IBM's 4730 Personal Banking Machine provides newest ATM technology

Anonymous

Bank Operations Report , v 13 , n 10 , p 1-2 , Mar 1984 Language: English Record Type: Abstract

Abstract:

IBM has revealed a new **automatic teller machine** called the 4730 **Personal Banking Machine** which will be available in the fourth quarter of 1984 and can: 1) **dispense** exact change; 2) **cash** paychecks; 3) accept check deposits without **deposit** slips or **envelopes**; and 4) **dispense** pennies, nickles, dimes, quarters, and bills in five denominations. Customers can use the 4730 to cash payroll, Social Security, and other third-party checks made out for uneven **amounts**. Deposit information is **printed** on the back of each check.

24/3,K/8 (Item 1 from file: 267) [Links](#)

Finance & Banking Newsletters

(c) 2007 Dialog. All rights reserved.

04605663

Check 21 To Take Center Stage At BAI Retail Delivery Conference

Item Processing Report

November 20, 2003 Vol: 14 Issue: 24 Document Type: NEWSLETTER

Publisher: PHILLIPS BUSINESS INFORMATION

Language: ENGLISH **Word Count:** 2541 **Record Type:** FULLTEXT

(c) PBI Media, LLC. All Rts. Reserv.

Text:

As Banks Scramble for Solutions, Vendors Position Themselves to Please

As **ITEM PROCESSING REPORT** went to press on Tuesday, banking industry executives were gathering in force at...

...facilitates fully automatic and accurate capture and flow of check images, permitting immediate truncation of **checks presented** at the teller window. The two companies are demonstrating their combined solution at the show...

...Coyan, director of business development at Alogent. "Our organizations are melding teller operations with transaction **item** image workflow to create true deposit automation - reducing teller workload and improving customer experience in

...a strategic relationship with Diebold, Inc. [DBD] aimed at expanding intelligent check handling at the **automated teller machine (ATM)** to include the capture, validation, management and transfer of check images and related transaction information. The companies have coupled Alogent's Sierra Xpeditate deposit automation software with Diebold's **ATM** terminal software to achieve ImageWay. "We are extremely pleased to announce this strategic alliance," said

...Extending deposit automation from the teller to the branch back counter and now to the **ATM** is a logical extension of our straight through check processing focus. Through our relationship with...

...solution that ensures the most versatile point of presentment compatibility available today." The Diebold ImageWay **ATM** Agent leverages Alogent's Sierra Xpeditate software to help manage the transmission of check images and related transaction data from the **ATM** to the Diebold ImageWay server. The server application leverages Sierra Xchange, a unified payments gateway...

...based processes and balancing to ensure transaction quality and integrity. This eliminates the need for **envelope-based ATM** balancing systems. "Diebold's core strength is at the point of deposit - at the branch and at the **ATM**," said Thomas W. Swidarski, senior vice president, Strategic Development and Global Marketing at Diebold. "Through..."

...Alogent, we offer our customers a best in class check image transfer solution at the **ATM**. This will enable financial institutions to prepare for the explosive growth expected in check imaging...

...2433) at the BAI show and is being shown on a Diebold Opteva advanced-function

ATM. A2iA Enhances CheckReader 3.0 Software Locates Check Fields Recognition
software vendor A2iA Corp. took...

...CheckReader Version 3.0 dramatically improve the flexibility,
recognition accuracy and security aspects for banks, **ATMs** and credit
unions, company officials say.

NCR Unveils 'No Envelope' ATM Deposits

NCR Corporation [NCR] took advantage of the BAI show to make a
number of key announcements, including the launch of its new "No **Envelope**"
Deposit
capability for the **ATM** world. Using imaging technology, customers can see a
photo of their deposited checks on the screen and on the **ATM** receipt. NCR's "No
Envelope" **Deposit** technology also sets the stage for cash deposit by including a
breakdown of each deposited...

...for the 21st Century Act. The United States has the
highest usage of drive-up **ATMs** in the world," explains Phil Kasper,
assistant vice president of marketing for NCR's Financial Solutions Division,
Americas region. "Customers who want to make a deposit at the drive-up **ATM**
will now find the process easier and more secure. There is great comfort in
driving...

...of the transaction."

This technology is now being incorporated into NCR's Personas M
Series **ATMs**. First introduced in November 2002, the Personas M Series
enables banks or
other **ATM** deployers to significantly customize the size, shape and
functionality
of their **ATMs**. For example, several popular models are also now
available with
slimmer safe sizes and smaller footprints, meaning less impact on premium
banking floor space. NCR's "No **Envelope**" **Deposit** technology
is on display this
week at the show, which is being held at the...

...the show, NCR and ACI Worldwide [TSAI] announced
Tuesday the first scheduled deployment of an **automated teller**
machine (ATM)
solution based completely on the new interactive financial exchange (IFX)
messaging standard for **ATMs**. First National Bank of Omaha's (FNBO)
upcoming
deployment of IFX-based **ATMs** will represent a major industry
transition to the
next generation of applications, based upon the standard ratified by the
Interactive Financial Exchange Forum earlier this year.

ATMs have traditionally utilized proprietary messaging
protocols to
authenticate and authorize transactions with the banks' or other **ATM**
deployers'
financial processing systems. The limitations of these proprietary
protocols

have restricted the functional capabilities of **ATMs**. Furthermore, due to the uniqueness of the **ATM** channel, deployers have been unable either to share transactional services or to use a common infrastructure between their **ATMs** and their other delivery channels, such as Internet and telephone banking.

"Support for IFX further...

...Worldwide. "This functionality illustrates ACI's commitment to help our customers face the challenges of **ATM** renewal via the flexibility of IFX and the inherent cost savings due to reduced maintenance."

The non-proprietary and more powerful IFX replaces these legacy **ATM**

transaction authorization protocols that are no longer capable of handling today's functionality. IFX allows the bank or **ATM** deployer to use the same software applications and supporting infrastructure across several channels.

This increases efficiency and reduces software development cost, while enabling

advanced **ATM** functions to be supported, such as personalization, image-based "No

Envelope" Deposit and additional banking transactions.

First National Bank of Omaha (FNBO) will deploy **ATMs** running NCR's APTRA

Edge software, which enables an intelligent application to run on the **ATM**,

supporting the new IFX transaction authorization protocol. "The IFX messaging

standard is a key component of our strategic **ATM** renewal initiatives," explained

Scott McCormack, second vice president of First National Bank of Omaha.

"Due...

...ACI was vital to the success of our IFX implementation."

APTRA Edge is an advanced **ATM** application platform. The FNBO units will

also utilize ACI's BASE24 transaction processing system, which also supports IFX

messaging. "NCR strongly believes that IFX-based intelligent client/server **ATM**

applications are the future of self-service. Our partnership with ACI is critical to making...

...We are very excited about the opportunity to deploy IFX at FNBO."

NCR's newest **ATM**, the APTRA Relate, enables the delivery of individualized customer service and targeted marketing through the...

...it enables pre-approved offers and two-way communication

with customers for a more dynamic **ATM** customer interaction. NCR customers have reported that consumer acceptance of **ATM** product offers can be more than 30 percent greater than for the same product offered via direct-mail campaigns, making the targeted **ATM** offer more cost-effective, company officials say.
Transact Technologies and Digital Check Corporation Team On...

...helping financial institutions get ahead of Check 21, TransAct Technologies Inc. [TACT], a producer of **transaction-based printers** for customers worldwide, is demonstrating a new teller printing and check imaging solution with Digital...

...and back of the check, and offer a rear ink-jet endorser option that can **print** logos, dates, **transaction** codes or customized endorsement information. Images are scanned, displayed and processed immediately and are available...

24/3,K/11 (Item 4 from file: 267) **Links**

Finance & Banking Newsletters

(c) 2007 Dialog. All rights reserved.

04594225

The Key: a Well-rounded Approach

Item Processing Report

October 24, 2002 Vol: 13 Issue: 21 Document Type: NEWSLETTER

Publisher: PHILLIPS BUSINESS INFORMATION

Language: ENGLISH **Word Count:** 712 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

Text:

...check fraud.

- * The ability to monitor for electronic fraud (that which is taking place through **ATMs**, e-payments systems, etc.).

- * Customer verification processes for new accounts.

Software Solutions

Software solutions now...

...and research, and they also issue extensive reports. Some of these products can even analyze **printer information** from a bank's corporate customers who print their own checks. This makes it much...

...evaluate every deposit, every day. They can monitor and track accounts for unusual deposit and **withdrawal** activity, deposit-less-**cash** activity, **ATM**, **ACH**, over-the-counter and return **items**, as well as multiple deposit schemes.

The leading software solutions monitor deposit patterns and account

24/3,K/14 (Item 1 from file: 995) [Links](#)

NewsRoom 2002

(c) 2007 Dialog. All rights reserved.

0451515362 15U70H01

Tyndall Federal Credit Union Installs Wincor Nixdorf's compactBANK; Full-Featured ATMS Enable Branch-Banking Services in a Self-Service System

Business Wire

Tuesday , May 21, 2002

Journal Code: ADZA **Language:** English **Record Type:** Fulltext

Document Type: Newswire

Word Count: 866

...dispense cash and coins; load/unload electronic purse; process passbooks, including withdrawals, deposits and updates; **print account** statements, receipts and other documents; read barcodes; and deposit cash and other valuable documents. The compactBANK is based on Wincor Nixdorf's ProCash 2100 **ATM** and comes with an encrypted PIN pad and a 15" LCD.

As the leader in...

31/3,K/1 (Item 1 from file: 268) [Links](#)

Banking Info Source

(c) 2007 ProQuest Info&Learning. All rights reserved.

00460323 450016101 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Licking The ENVELOPE ; How Technology Is Aiding One CU In Cutting Envelope Fraud

Jepson, Kevin

Credit Union Journal , v 7 , n 46 , p 10 , Nov 17, 2003 **Document Type:** Periodical; News **Language:** English

Record Type: Abstract

Abstract:

...transaction processing and fraud prevention solutions. The credit union will know at time of the **ATM** deposit if it has have been given an empty **envelope** and can **block** the deposit right away, she said. The Omega **ATM** and Alert Manager should greatly minimize loss on the **ATM** side. That is a big...

31/3,K/3 (Item 2 from file: 994) [Links](#)

NewsRoom 2003

(c) 2007 Dialog. All rights reserved.

0734022587 16CW0Q1U

NCR Drives the ATM Deposit Envelope Out of the Glove Compartment; World's First "No Envelope" Drive-up ATM Joins NCR's Personas M Series

Business Wire

Tuesday , November 18, 2003

Journal Code: BGAC **Language:** English **Record Type:** Fulltext

Document Type: Newswire

Word Count: 456

Text:

...ORLEANS--(BUSINESS WIRE)--Nov. 18, 2003--No more searching in the glove compartment for an **automated teller machine** (**ATM**) deposit **envelope** or hoping that the ones you have aren't permanently **stuck** together. NCR Corporation (NYSE:NCR) is driving the deposit **envelope** out of the **ATM** experience by introducing "No Envelope" Deposit capability as the latest convenience for drive-up banking...

31/3,K/11 (Item 2 from file: 995) [Links](#)

NewsRoom 2002

(c) 2007 Dialog. All rights reserved.

0421530556 15SC0XUV

Column: Check-eating ATM defeated, at last

Gray, Frank

Journal - Gazette , p 1.C

Sunday , March 24, 2002

Journal Code: FEIA **Language:** English **Record Type:** Fulltext

Document Type: Newspaper

Word Count: 802

...deposit her week's receipts - more than \$700 in checks from clients. She fed the **bank machine** her **ATM** card, put a deposit slip and her endorsed checks into an **envelope** and **stuck** them into the usual slot.

At this point, though, the machine malfunctioned. The transaction abruptly

...

31/3,K/4 (Item 3 from file: 994) **Links**

NewsRoom 2003

(c) 2007 Dialog. All rights reserved.

0717057101 16AU1RSE

The News & Observer, Raleigh, N.C., Consumer Column

Aisling Swift

News and Observer (Raleigh, NC)

Thursday, October 16, 2003

Journal Code: ADFX **Language:** English **Record Type:** Fulltext

Document Type: Newspaper

Word Count: 461

...York, Florida, Pittsburgh, Charlotte and Massachusetts garnered thousands for thieves who used a range of **items** -- magnetic tape, rubber, 35 mm film negatives and plastic sleeves -- to **jam** machines and fish out **ATM** cards after frustrated customers left.

In some scams, signs posted on **ATMs** told customers to repeatedly punch in their personal identification numbers, or PINs.

"Perpetrators generally stake...